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Farm and Ranch REVIEW

September, 1951



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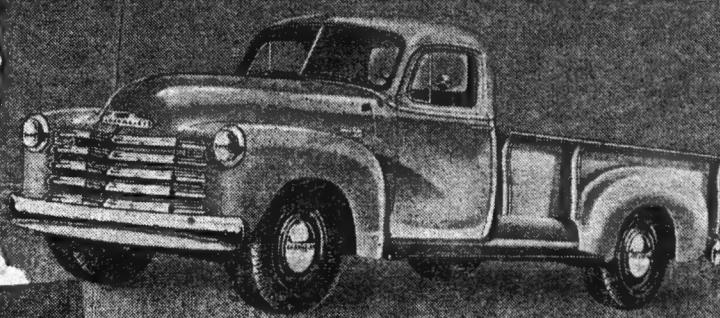
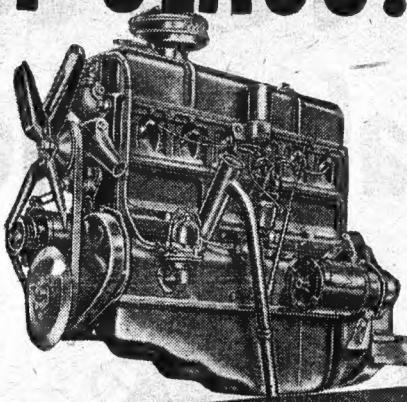
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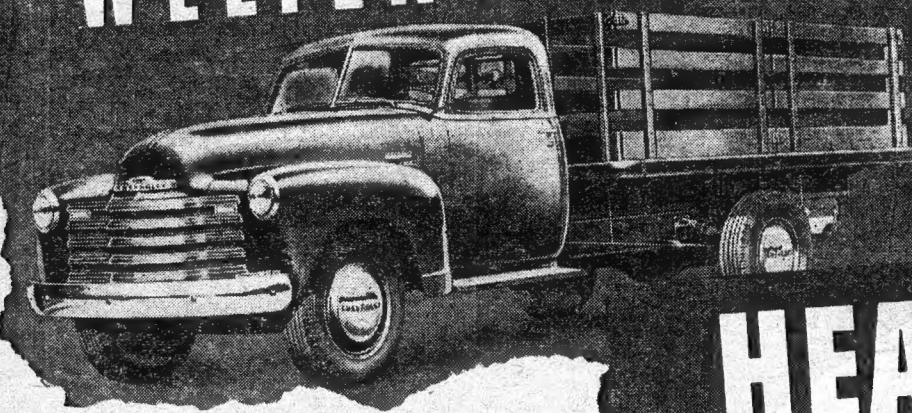
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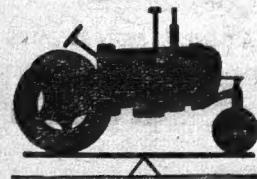
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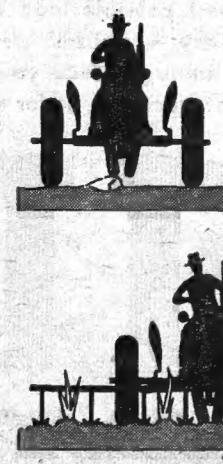
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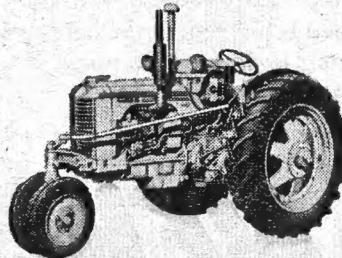


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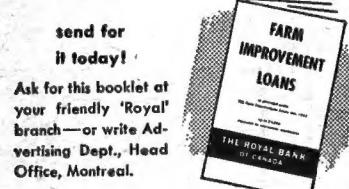
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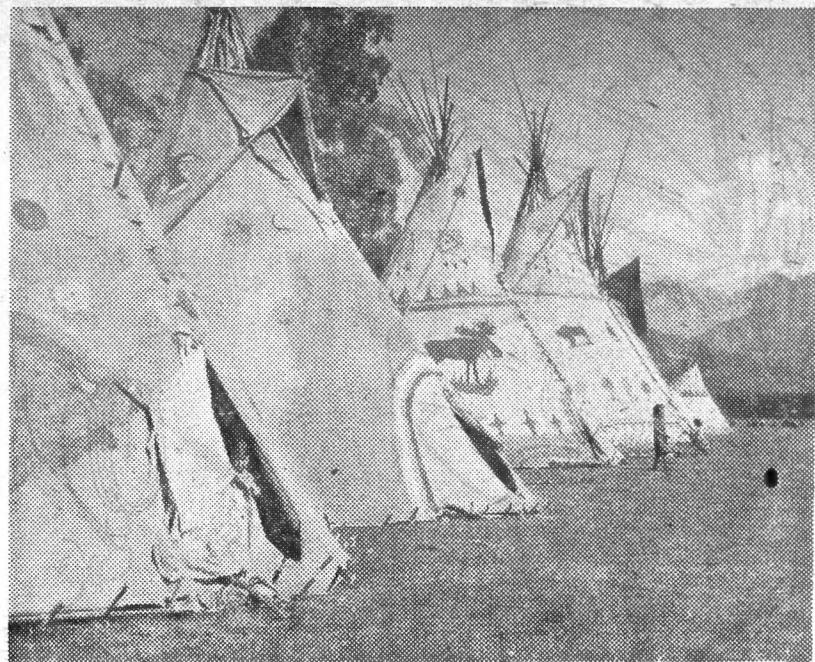
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Canadian Pacific Railway photo.

The Farm and Ranch Review

GRAPHIC ARTS BLDG., CALGARY, ALBERTA

Vol. XLVII. Founded in 1905 by Chas. W. Peterson No. 9

James H. Gray, Editor

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P. Peterson, Advertising Manager

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Gifts of wheat for Alberta Crippled Children

DESPITE the best efforts of everybody concerned, The Red Cross is still short \$40,000 in its campaign for funds for the Crippled Children's Hospital.

In an effort to make this up, Alberta farmers are being urged to donate 10 bushels of wheat when they harvest their

crop. The Wheat Board and all elevator companies are cooperating. When the grain is marketed, all that a farmer has to do is have a cash ticket for 10 bushels made out to the Red Cross.

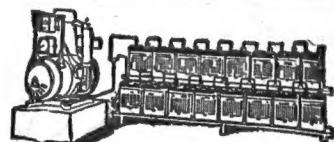
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The Farm and Ranch Editorial Page...

The cost of pensions is permanent impoverishment for all

THE Canadian Government's old-age pension scheme sure looks wonderful on paper, and it has a nice, round, rhythmic sound that pleases the ear. Now let's rattle it around in our heads for a while and see what comes out.

It will cost us \$400,000,000 a year to start. It won't cost the Government that. It will cost us that, every Canadian who earns a living will be footing the bill for those who can no longer work, or are forced out of employment by age. Nor is that all. This will come on top of all the other pension schemes that have been instituted in this country and the cost of which is paid by every Canadian who has a dollar to spend.

So the first thing to keep in mind is that the pension is not free, though every effort will undoubtedly be made to make it appear as such. That's the way we free. things are done in Canada. If we

were required, every time we sold a load of grain or cashed a pay-check to proceed at once to a Government office and pay our taxes, we would know what we were buying. Instead the levies are made in the dark, in the form of sales taxes, excise taxes, import tariffs, income taxes deducted at the source. We never stop to consider how much we would be earning if we had all the money we paid in taxes because there is no way of making the calculations.

Part of the freight that the farmer pays to ship his grain and livestock to market, part of every freight bill he pays to get his groceries and clothes and implements from the factories, goes to pay pensions to the railway workers. Part of the cost of his new tractor pays pensions for the employees of the tractor company, part of his cost of his car pay the bill for the pensions of auto-

workers. He pays for the children's allowance cheques his wife gets every time he puts his hand in his pocket.

More, he has been paying many of these costs for years and years. He paid for them in 1930 dollars, and in 1940 dollars and in 1945 dollars. After spending a lifetime of paying out, he may feel that justice is at last being served when he starts to collect. He will start collecting 1952 dollars which will be worth only 50 cents. By 1957, because of the permanent inflation that huge spending by Governments create, he will be getting paid in 40-cent dollars.

So much for the older citizens. Let's examine the scheme as it affects those just starting out to make their way in life. Every employed Canadian will now start paying \$80 a year to people over 70 so that when he gets to be 70 he'll collect \$40 a month.

What chance does a young fellow of 20 have of living to be 70? About two out of three. That is, about 65,000 out of every 100,000 Canadians now 20 will reach 70. But the chance of him living much beyond 70 gets very slim as the months after 70 go past. Those who live for the next 50 years will each contribute \$4,000. At \$40 a month, they will have to live until they are 78 just in order to get their own money back without interest.

But what about the important one-third that will die between 20 and 69? They will have contributed \$80 a year if you as long as they lived and will get die? nothing back.

Ah, yes, you may say, but by then the age will be lowered to 65 and payments will likely be up to \$75 or \$100. That can be conceded at once. The agitation for a lower age and bigger benefits will begin when the first cheques go out. Politicians will

encourage it and eventually the necessary changes will be made. *But as these payments come from all the Canadian people, the levies will also go up. More and more of the earnings of young people will have to go to pay bigger and bigger old-age pensions. As the dollar will continue to shrink, the old folks will be worse off than ever.*

Why are prices so high today? In part because of the cost of all the social security measures, private and public, that are first pyramided and then buried in the price structure. Why is it so difficult for wage-earners to make ends meet and raise their families? Because, in part, of the deductions that are made in their pay for social security measures. They pay both coming and going, in higher prices and lower take-home pay.

And what's at the end of the road? Our youth of today will spend its lifetime paying heavily for old-age security. It Long-term will pay for it with a lifetime of swindle lower living standards. It will pay for it with dollars currently worth 50 cents in terms of what they will buy compared with pre-war dollars. They will collect in 20 or 25-cent dollars.

The dollars that our young people would otherwise have to spend raising families, buying homes, starting in business, saving for a farm or a few head of cattle—that money will be drained away from them before they ever get their hands on it. The burden of carrying the full cost of all these security schemes will make it impossible for them to fashion any kind of security for themselves.

The choice that lies before the people of this country is clear — they can enjoy a good life and a high standard of living now. Or they can have a poor life now with the assurance that they will have a miserable old age.

Freed from the "security" mania that now paralyzes our thinking, this country can provide a good life for all its people young and old. It is rich in the resources that must be developed, rich in energy, rich in skill, intelligence and resourcefulness. There is nothing wrong with this country, save that it has been oversold on the fraudulent notion that there is any such thing as "free" social security. It is a pick-pocket in disguise.

funds. They must be kept open in winter, at tremendous expense. They attract travel and hard usage. Expensive road machinery must be bought and paid for in order to be able to earn the grants. Because of the need to spend 40 per cent on the approved roads, the money is simply not available for the other roads so the people of the municipalities go short in services.

What can the municipalities do? Raise their taxes? No, because to qualify for other grants from the province they have been forced to put a ceiling on their mill rates. They can't levy a tax on the people who use their roads. They live in Bragg Creek or in Calgary. The money that is extracted from the users goes to the provincial government and in the case of the Bragg Creek road undoubtedly far exceeds the grant returned to Springbank for maintenance of the road.

Nor is this all. In the more remote areas, where settlement is sparse and assess-

(Continued on page 8)

Road grants cure nothing not even bad roads

FEW of our readers outside the Calgary area have ever heard of the Bragg Creek Road. It is in the Springbank municipality, runs from Calgary west 20-odd miles to the village of Bragg Creek. It isn't much of a road, but it will serve as a superb example of what is wrong with provincial-municipal relations. It is a good illustration why all over the West there is a need for a complete re-examination of the relationship between the provinces and the municipalities.

The Bragg Creek road runs through rather sparsely settled farm and ranch land. It is subject to heavy usage, by trucks hauling out pit props for coal mines and lumber and Calgarians who have summer cottages at Bragg Creek. The road produces no revenue whatever for the municipality. It is a difficult and expensive road to maintain,

but because it is a market road for the farmers in the area it must be kept open winter and summer.

Nobody is ever satisfied with the job that is done. The truckers scream in protest because "they pay the Government \$300 in P.S.V. license fees and \$150 a year in gas taxes and then ruin their trucks on the road." Calgary residents complain endlessly about the dust and the pot-holes. Yet everybody tries to do their best but their best satisfies nobody.

The province, for example, pays 75 per cent of Alberta municipal road expenditures, of a certain class. To get this grant the municipalities must spend 40 per cent on approved roads. That money must only go for construction and reconstruction, graveling and re-graveling. These approved roads are sink-holes for municipal

Farm and Ranch Editorials

The Governments are taking one-third of your income

ON page 9 of this issue our readers will find two tables of figures. It is a forbidding sort of array, but we commend them to you for the story they tell is of vital concern to all Canadians. They tell, as nothing else can, the expansion of Government spending in the last decade and the impact which taxation has upon the lives of all of us. These figures were assembled by the Senate Finance committee.

The figures in the tables are naturally out of date, for the last year available to the senate was 1949. The total expenditures of all Governments in 1939 were \$1,230,000,000. In 1949 they were \$3,496,566,000. This year, the Senate estimated they would reach \$5,000,000,000. This year the total national income of Canada will be around \$16 billions. It means that one-third of the income of this nation now finds its way into the hands of one government or another.

It is well to note, from these tables, that the Provinces and Municipalities have not fallen far behind in the race for the taxpayers' dollars. Federal spending has increased five fold since 1939. It, however, includes national defence, the cost of veterans care, etc. Provincial spending has almost trebled and Municipal spending has more than doubled.

At the same time as spending goes up, so do the number of people working for governments. Thus, in 1939, the Federal Government employed 45,000 persons. This year it employs 156,200. Figures for the other governments are not available.

What does all this mean? Many things. It means that each one of us is working two days out of every week to pay taxes, or to keep Dominion, Provincial and Municipal employees in jobs. Let us say that each government employee is not only working hard but doing work that is important to the country. But can we get this country de-

veloped if one-third of our energy and income has to be devoted to government functions? We doubt it, and seriously doubt it.

The spending of Governments today is the greatest single inflationary factor we have to face. Government spending is non-productive. None of the employees of all these governments produce things. They add nothing to the real wealth of the country. We do not argue that the country can get along without all of them because of that fact, though we are sure we could get along nicely without a great many of them. The point is that people who get paid to make cars or gadgets, who produce wheat or butter, exchange goods as the product of their labor for goods that are the product of their labor of others. The money spent by governments adds nothing to the total of our production.

One cause of inflation is too much spendable money in a market where goods are in short supply. The real meaning of these figures is this: Money is being drained away from the producers of goods to be handed to and spent by non-producers. If there had been, simultaneously with the rise in government spending, a marked increase in productivity of capital and labor, the situation would not be so serious. But from all accounts there has been less production per man in recent years. So long as these vast sums are taxed out of the hands of producers and expended by governments, we will have an inflationary condition in this country. Make no mistake about that.

The question that these figures will raise in the minds of our readers is: How long can this go on without ruining the country? It's a good question for which we have no answer. With Governments taking 35 cents out of every dollar we earn, how can we hope to make ends meet, to

(Continued from page 7)

ment low, the poorer municipalities cannot qualify for help because they can't afford to spend the money on "approved" roads. If they haven't got a sufficient mileage of approved roads they can't get the grants for the other roads. This system of grants does not recognize the principal of fiscal need. The wealthier areas can get big grants and the poor areas are restricted to small grants.

We have used roads as an example because there is hardly a municipality in the West that does not have the most vexing road problem. It is a problem that gets worse every year. It is complicated endlessly by the fact that provincial governments rake in millions a year in P.S.V. licenses, auto licenses, gasoline taxes. The people who pay these taxes demand service in return. But their demands are made to the wrong authority when they berate the municipal councils.

The provinces, for their part, try to do their best. They have instituted systems of grants based on assessments or mileage of approved roads. They try to treat all municipalities alike. Their problem is that all municipalities are not alike in taxation

sources and taxing requirements. What is adequate for one area may be utterly inadequate for another. What is true of roads is true of all other services.

What is needed is a new approach all around. As the problem applies to the whole prairie region, a commission to undertake a complete re-examination of provincial-municipal relations should be set up by the three governments. Such a commission could reallocate both social responsibility and taxing power. It could rewrite the municipal constitutions in the light of modern conditions. It could devise some yardstick by which the services in the pioneer areas could be brought up to a decent minimum standard. Self-government, free self-government, could be re-established in the municipalities.

True, such studies have been made before. But the results of them all have had this in common — they have shown a marked bias for the point of view of the government that paid for having the study made. The result has been an illogical pyramiding of grants and handouts in efforts not to solve the basic problem but to temporarily put an end to the noise.

have anything left after bare living expenses are paid to spend on the decencies of life? The more we are taxed by governments, the less we have left for goods and services, the less able we are to afford rural electrification, new cars, new clothes, decent schools and houses.

As the people are impoverished by taxation, there will be unthinking clamor for more help from governments, and hence more impoverishment. Welfare costs, which were only \$208 millions in 1939, will exceed \$1,200 millions next year when the new pension goes into effect. We will be spending more on welfare alone in 1952 than all the Governments in Canada spent on everything in 1939. Perhaps, once we come to realize that every Canadian pays out more to governments for welfare than he can ever get back, we'll see the picture clearly.

In the meantime, the Canadian Senate deserves the thanks of all Canadians for the job it has done in pointing up the impact of Government taxing and Government spending. Again, we commend these figures to all readers of the Farm and Ranch, to be read and studied again and again.

★

How's that again?

THIS is by way of an apology to the information service of the Dominion Department of Agriculture. Some months ago, our indignation at the "gobbledegook" language used in their "information bulletins" provoked us into cancelling our subscription to this free service. The department, it seemed to us, had made it a firing offense for any employee to state a simple fact in simple English ordinary people could understand. We blamed this on the centralization of the information service at Ottawa. We were wrong, or this mad craze for big words is spreading. Here, any way, is a weekly letter from one of Mr. Gardiner's experimental stations. These letters are sent out to weekly papers and farm journals for the aid and guidance of farmers.

SOME FEATURES OF THE COW'S TONGUE

The posterior portion of the cow's tongue has a dorsal prominence which is defined in front by a transverse depression. The tongue is often involved in actinobacillosis, an infectious disease which may be accompanied by ulceration. The ulcers usually have their beginning at the transverse depression, or groove, and may be covered with such debris as hair and vegetable matter. If the tongue is extensively involved in inflammation, it becomes fibrous, hard, and immobile and may protrude from the mouth, giving rise to the term "wooden tongue". There is constant drooling of saliva, loss of ability to take feed into the mouth, and emaciation. Treatment under the administration or advice of a veterinarian is successful in most cases. Doses of 1½ - 2½ drams potassium iodide in a drench administered daily for a two- to three-week period have given good results.

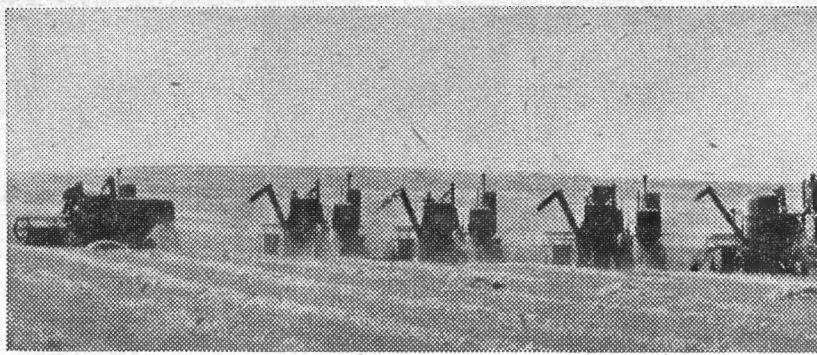
The prominence and groove are not so pronounced in the sheep as in the cow, and are absent altogether in the horse.

In front of the groove the tongue has horny papillae with sharp points directed backward; they give the tip its rasp-like roughness and make it very efficient in the prehension of food. It is the cow's chief organ of prehension, whereas in the sheep the papillae are short and blunt so that the teeth and dental pad are of greater importance in securing food. The sheep is a relatively close grazer. The cow's tongue is relatively wide at the root, attesting to its significance in grazing.

The papillae on the dorsal prominence of the tongue are large and broad; some are blunt and conical and others are flattened. The microscopic taste buds occur in these papillae, the soft palate and the oral surface of the epiglottis. These buds are the peripheral part of the taste apparatus and are innervated by fibers of cranial nerves.

Somehow, we feel that it will be a long time before any of the Ottawa brethren can top this effort, though you can be sure they'll be in there trying.

Big Crop, Big Outfit



Canadian Pacific Railway photo.

Where it comes from - - -

COMBINED REVENUES — ALL GOVERNMENTS IN CANADA FOR 1939 AND 1949
SUMMARY BY SOURCES
Fiscal Years Ended Nearest December 31.
(In millions of dollars)

	Total	Dominion	Provincial	Municipal	1939	1949	1939	1949	1939	1949	1939	1949
Taxes:												
Income and Corporation Taxes—												
Personal Income Tax	61	622	45	622	12	1	3	—	—	—	—	—
Corporate Income Taxes.....	89	703	78	601	11	101	1	—	—	—	—	—
Other Corporation Taxes	23	25	2	4	21	21	—	—	—	—	—	—
Withholding Tax	11	47	11	47	—	—	—	—	—	—	—	—
Sub-Total (Items 1 to 4)....	184	1,397	136	1,274	44	123	4	—	—	—	—	—
Succession Duties	28	58	—	30	28	28	—	—	—	—	—	—
Real and Personal Property	249	376	—	—	6	5	243	371	—	—	—	—
Customs Duties and Other	—	—	—	—	—	—	—	—	—	—	—	—
Import Taxes	107	226	107	226	—	—	—	—	—	—	—	—
Excise Duties and Sales Taxes—												
Gasoline Tax	53	137	—	—	53	137	—	—	—	—	—	—
Liquor including Liquor Control	54	238	21	107	33	131	—	—	—	—	—	—
Tobacco	42	217	42	207	—	10	—	—	—	—	—	—
General Sales Tax	145	479	137	403	3	59	5	16	—	—	—	—
Amusement Tax	3	18	—	—	3	18	—	—	—	—	—	—
Other Commodities and Services	24	74	24	74	—	—	—	—	—	—	—	—
Other Taxes	26	55	—	—	3	8	23	47	—	—	—	—
Total Taxes (Items 5 to 15)....	915	3,275	467	2,321	173	519	275	434	—	—	—	—
Licenses, Permits and Fees—												
Motor Vehicle	28	56	—	—	28	56	—	—	—	—	—	—
Other	18	33	3	3	9	16	7	13	—	—	—	—
Sub-Total (Items 17 and 18)....	46	89	3	3	37	72	7	13	—	—	—	—
Public Domain	25	90	1	2	24	88	—	—	—	—	—	—
Municipal Public Utility												
Contributions	10	24	—	—	—	—	10	24	—	—	—	—
Other Revenue	37	149	9	83	3	26	25	40	—	—	—	—
Total Revenue	1,303	3,716	480	2,412	274	705	317	512	—	—	—	—
INTER-GOVERNMENT TRANSFERS NOT INCLUDED IN ABOVE SUMMARY												
Dominion Subsidies to Provinces	19	19	—	—	19	19	—	—	—	—	—	—
Provincial Subsidies to Municipalities	5	10	—	—	—	—	5	10	—	—	—	—
Tax Suspension Agreements	—	103	—	—	—	103	—	—	—	—	—	—
Interest on Common School Fund and School Lands												
Fund Debentures	2	1	—	—	2	1	—	—	—	—	—	—
Nova Scotia Highway Tax	1	1	—	—	1	1	—	—	—	—	—	—
Manitoba Municipal Commissioner	1	1	—	—	1	1	—	—	—	—	—	—
Total	28	135	—	—	23	125	5	10	—	—	—	—

Where it goes

COMBINED EXPENDITURES — ALL GOVERNMENTS IN CANADA FOR 1939 AND 1949.

CURRENT AND CAPITAL ACCOUNTS — SUMMARY BY SERVICES
Fiscal Years Ended Nearest December 31.

(Million of Dollars)

	Total	Dominion	Provincial	Municipal	1939	1949	1939	1949	1939	1949	1939	1949
Debt Charges, Net, Excluding Debt Retirement	264	492*	152	408	61	53	52	31	—	—	—	—
Public Welfare												
Health and Hospital Care	47	183	1	19	30	128	10	36	—	—	—	—
Labour & Unemployment Insurance	3	52	1	48	2	4	—	—	—	—	—	—
Relief	83	17	24	43	11	16	6	—	—	—	—	—
Old Age Pensions	40	128	29	90	10	38	—	—	—	—	—	—
Family Allowances	299	—	299	—	—	—	—	—	—	—	—	—
Other	36	122	4	20	12	36	19	75	—	—	—	—
Sub-Total	209	801	59	476	97	217	51	117	—	—	—	—
Education	129	406	4	29	38	156	87	222	—	—	—	—
Transportation, Highways, Bridges, Airways, Railways, Waterways etc.	163	515	46	158	89	254	28	103	—	—	—	—
Agriculture	60	107	53	82	7	24	—	—	—	—	—	—
Public Domain	38	103	15	54	23	49	—	—	—	—	—	—
National Defence	127	373	127	373	—	—	—	—	—	—	—	—
Veterans' Pensions and After-care	55	202	55	202	—	—	—	—	—	—	—	—
Other Expenditures	186	495	60	225	39	111	87	159	—	—	—	—
Total	1,231	3,494	571	2,007	354	864	305	632	—	—	—	—
INTER-GOVERNMENT TRANSFERS NOT INCLUDED IN THE ABOVE SUMMARY												
Dominion Subsidies to Provinces	19	19	19	19	—	—	—	—	—	—	—	—
Provincial Subsidies to Municipalities	5	12	—	—	5	12	—	—	—	—	—	—
Tax Suspension Agreements	—	85	—	85	—	—	—	—	—	—	—	—
Interest on Common School Fund and School Lands												
Fund Debentures	2	1	2	1	—	—	—	—	—	—	—	—
Manitoba Municipal Commissioner	1	—	—	—	—	—	1	—	—	—	—	—
Total	27	117	21	105	5	12	1	—	—	—	—	—

"Savings play a vital part in the battle against inflation"



...says Emerson Creed,
Financial Editor,
The London Free Press

"Can inflation be checked?"

"Every one of us is concerned with the answer to this vital question. Today's all-time high costs of goods and services affect the living standards of people in all walks of life; and those living on fixed incomes are especially hard hit."

"In addition to weakening our economy, inflation threatens our defence programme."

"Therefore every known method of controlling rising prices must be applied with vigour."

"Government measures such as increased taxes, credit restrictions and reduced non-defence spending are necessary, if unpopular. Of course, business and industry must co-operate — especially by increasing productivity. The average man might feel that any control he alone can exert is insignificant. But the individual can and should help by doing his utmost to save money."

"Every dollar he saves — through bank deposits, savings bonds or life insurance — plays a part in helping to stem the tide of inflation. And at the same time, it brings the saver important personal benefits."

"These benefits need no reviewing. But it may be pointed out that nothing has changed their importance even though there are many demands and temptations to use income for other purposes. Nor has anything supplanted saving as the one method most people have of obtaining many of the things they want and need most."

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Co-operators



Jean and Joan Armstrong, who live on the Sunnydale Co-operative Farm at Carrot River, co-operated beautifully with J. T. Ewing, 3680 Osler St., Regina, and won him \$5 for this picture.

Here's some real news— a "wonder-drug" for pigs

FROM the carefully qualified language of the University of Alberta experiment report, there is good news for all hog producers. By adding antibiotics to the diet of young pigs, they can get faster gains, efficient feed use and get their pigs to market before the rush starts.

Similar experiments, carried out previously in the United States spelled out the same results. However that did not necessarily mean anything to prairie producers. Our feed is different, our growing and marketing conditions are different. There have been times before when highly boosted American

from 125 to 200 pounds, the control pigs required 50 days and the animal protein plus aureomycin 44 days and 438 and 410 pounds of feed per 100 pounds of gain respectively.

The cost of the antibiotic supplement on these hogs, however, more than made up for the difference in feed costs. But, and this is the important fact, the pigs fed aureomycin were ready for market a full three weeks before those fed the standard ration plus animal protein. Comparable results were obtained when vegetable protein was used instead of animal protein.

Here's proof that aureomycin makes young pigs grow faster, healthier and go quicker to market.

innovations have not worked in Canada.

To test the new supplement, the University ran feeding tests on six groups of normal pigs and two groups of runts. It was in the latter that the most spectacular results were obtained. Moreover, in the first group, the most favorable results were shown consistently during the early growth period up to 125 pounds. The use of antibiotic supplements in the finishing ration is not recommended.

Here are the facts: For the control group, that is the one fed a normal ration plus animal protein, it required 84 days and feed at the rate of 378 pounds per hundred pounds of gain to bring a hog from weaning up to 125 pounds. It took the same time but with 10 pounds less feed for those fed animal protein plus vitamin B-12. Those fed animal protein plus aureomycin reached 125 pounds in 70 days on 347 pounds of feed. During the second period,

The Runts

Two trials were made of 14 unthrifty weaning purebred Yorkshire pigs from the University herd. These were the runts of the herd. Those that received the antibiotic supplement gained 51 per cent faster and made 14 per cent more efficient use of their feed than those on a standard ration. At the end of 40 days, both groups were turned out to pasture. Then, while the supplemented pigs maintained their advantage over those that did not have the antibiotics, they made no further increase in the advantage.

A second experiment was run on another set of runt weaners. Those fed the standard ration gained half a pound a day while those fed the antibiotic supplement gained almost a pound. At the end of 48 days, the diets were reversed. By this time the supplemented pigs weighed 68 pounds and the others 46 pounds. When the diet was reversed, the picture changed.

Frozen wheat is very good feed

ANALYSIS indicate that wheat compares closely with the other cereals. It contains roughly 14 per cent protein, 2 per cent fat, 69 per cent nitrogen-free extract, 2.5 per cent fibre and 1.7 per cent ash. The softer wheat are lower in protein and higher in nitrogen-free extract. Wheat is thus lower in fibre and usually richer in protein than barley; much lower in fibre than oats; and lower in fat and higher in protein than corn. Wheat is also comparatively rich in phosphorus but like other cereals it is low in calcium. Thus, wheat, like all the cereal grains, is rather low in protein and mineral matter, too low in good quality protein and bone building minerals to meet the needs of growing animals. Hence the importance of adding protein and mineral rich supplements to offset the lack of these materials in the cereal grains is evident.

Western feed wheat contains less starch but a higher percentage of protein and slightly more fibre than do the higher grades. **THE GRADES OF WHEAT DO NOT DIFFER IN FEEDING VALUE NEARLY AS MUCH AS THEY DO IN MILLING QUALITY.** Grade is influenced by such factors as plumpness, degree of maturity, and freedom from frost damage, etc., characteristics which do not influence the feeding value materially. Although the biggest economic advantage is likely to result from feeding wheat of the lower grades,

Those getting the supplements made faster gains, but they never caught up to those which had had the supplement first. They gained 5 per cent more efficiently than before while the others gained 30 per cent less efficiently.

From this the experimenters conclude that the time to get unthrifty or runty pigs started on an antibiotic supplement is right after weaning. They also suggest that the use of antibiotics in rations used for creep feeding may be useful in avoiding runty pigs at weaning time.

On the runt pigs, there was a substantial overall saving in costs per 100 pounds of gain when the supplement was added. The cost of \$9.85 per 100 pounds gain for unsupplemented pigs compared with \$9.14 for those fed the antibiotics.

In a nutshell:

1. Antibiotics are demonstrably valuable in the ration of runt pigs immediately following weaning.

2. Owing to the fast growth rate and quicker maturity, they are useful in the diets of pigs up to 125 pounds.

3. The cost of the supplement does not justify feeding it in finishing rations.

there are occasions when surplus wheat of milling quality may be profitably fed to pigs and other livestock.

Value of Frost-Damaged Wheat

Like normal wheat, frosted wheat can be advantageously fed to livestock and has somewhat the same characteristics and limitations. While frost-damaged wheat is usually higher in protein and lower in carbohydrates than normal wheat, there is considerable variation dependent upon the stage of development when frozen.

Experiments have been conducted on Dominion Experimental Farms to determine the feeding value of frosted wheat for livestock. Results of one experiment showed that satisfactory and economical gains in swine can be secured when frozen wheat, of medium weight, is fed as the sole grain or in combination with oats. In another experiment with swine, frosted wheat grading No. 6 was superior to barley both in daily gains and the amount of feed required per unit gain. In the feeding of yearling steers receiving alfalfa hay and oats, frosted wheat was found to be superior to barley in promoting faster and more economical gains. Likewise, with lambs in feed lot on the same feeds, frosted wheat gave larger and cheaper gains than did barley.

From the results of the various experiments it is evident that frost-damaged wheat is a useful feed for swine and for cattle and sheep. Like normal wheat, it is not advisable to feed frosted wheat as the sole grain, but preferably mixed with other grains of good quality. For swine in particular, proteins and minerals should also be included in order to get the most value from the frosted wheat.

The best method of using frosted wheat will depend upon the stage of development at frosting and the severity of the frost. Weight per bushel can be used as a guide in determining the best way to use such wheat. Frosted wheat weighing close to normal wheat (50 pounds or more per bushel) can be fed in the same manner as normal wheat and can be expected to give about equal results. Medium weight frosted wheat (40 to 50 pounds per bushel) would be about equal to barley or barley and oats, and could be used as at least a partial substitute for them. Light weight and badly shrunken frosted wheat (under 40 pounds per bushel) might be comparable with oats in feeding value and for most purposes should be mixed with generous amounts of the heavier grains.

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Now What?



George Almusa of Margo, Sask., won \$5 for this picture of a farmer with a problem.

I Rememeber— Indians, old cars and storms tickle our readers' memories

When I was fourteen, on my father's homestead at Ruthilda, Sask., he employed a man for all summer whom we never knew by any name but Macaroni. Apparently his name was hard to say, so he said to call him Macaroni.

He got socks, overalls and tobacco and the occasional \$2 on Saturday night. My father kept account of all this. Macaroni never bothered.

When he was leaving in the fall he just said he was going to Saskatoon. Dad added and subtracted, then paid him the wages due. He told Macaroni to go over the figures, but Macaroni just took the money,

Macaroni. In homestead time, people were poor and honest.

Mrs. H. Sanders.

1912 Stanley St., Nelson, B.C.

The worst winter

I remember the long 1919 - 20 winter clearly. That was the time when cattle feed became very, very scarce. This district had many pioneer homes and other buildings that were thatched with long grass. So acute did the feed shortage become that practically all the farmers began to use the thatch for feed. When spring came many of these pioneer buildings

The Farm and Ranch Review pays One Dollar for interesting recollections like these.

shook hands all around and piled into a neighbor's wagon for the four-mile trip to town to catch the train.

After he was gone, Mother looked over the figures Dad had left on the window sill and found Macaroni had been short changed \$15. She called us all and what excitement!

Dad saddled old Fred, our race horse; gave me a boost and said, "The train is four miles from town see if you can ride the four miles to catch it. It will be taking on water." He slapped my horse and away we went. The smoke from the train was visible most of the way and it beat me to town. When I arrived, Fred would not quiet down to be tied, for he was afraid of trains, so I let him go, dashed on the platform waving the money. Macaroni stuck his hand out the window for it. I was too out of breath to tell him about it. Away went the train, Macaroni waving the bills as far as I could see.

Fred went home without me, but I got a ride with a neighbor.

Whenever I'm inclined to do some shady trick or cheat a bit, I think of my ride to pay old

presented a sorry-looking spectacle, standing there thatchless and forlorn.

B. Gryshook.

Two Hills, Alberta.

Indian borrowers

I remember in 1886 two Indians came to our shack in Oak Lake, Manitoba, and asked my father to lend them a horse for a few days. Weeks went by and we had given up hopes of ever seeing Jack again. Then one day he came home himself with an old rope around his neck. My father never knew where the Indians took him, but think it must of been the Indian reserve at Pipestone.

Mrs. W. F. Smith.
3304 - 34th St., Vernon, B.C.

Sand storms

I remember the sand storms we used to have in 1919 to 1922 inclusive, when it was almost dark most of the day. Sometimes I got on my way to school and the storms came up. Then Father used to come to get us with the team and wagon. The

wind used to be so strong as to blow the wagon crosswise of the road. It used to seem we would never get home.

I also remember Father telling us about the cold summer in the Crows' Nest Pass in 1898, when he wrote his name in the frost on the inside wall of the box car.

Mrs. Mary de Koning.
Pearce, Alberta.

Prairie fire

In the years 1898 to 1901 my parents who lived at Carievale, Sask., left my sister, a brother and myself in the early fall days to go and fight prairie fires. We lived on the east side of a stream called Thunder Creek. The grain would be in stacks. There was always a few furrows ploughed around the stacks, but when a prairie fire was seen in the far distance, Mother and Father would go out and back fire.

Mrs. I. A. Wick.
Fishing Lake, Sask.

The watch to watch

Some 53 years ago, in the year 1898, I went to a Methodist camp meeting at Kilmarnock, Ont., with some women folks by the name of Merrick for whom I was working at the time. As we entered the ground there was a nice grove of maple trees, with cabins all built near to where the open-air meetings were held.

What I remember most of all was the children's meeting Sunday afternoon, where the evangelist, after having taken out his watch, said to us, "Boys and girls, what is this?" Someone said, "a watch". Then he went on to say, "This is what God wants you boys and girls to watch: 1st, your words; 2nd, your actions; 3rd, your thoughts; 4th, your companions; 5th, your hearts, and if your hearts are right in the sight of God, your words, actions, thoughts, companions will all be right in the sight of God too." What this man of God spoke to us some 53 years ago, I pass on to the readers of this paper as good, sound doctrine for the generation that we see growing up around us today.

Mrs. N. R. McEwan.
Altamont, Man.

Riel rebellion

I remember during the Riel Rebellion seeing a load of wounded and dead in a wagon, piled like cordwood, just any old way. That sight I'll never forget. I also saw the burning barracks, at Fort Carleton where my mother helped many soldiers out of the burning building which fire was caused by a wounded soldier upsetting a lamp accidentally.

F. E. Dunn.

110 Stewart Ave.,
Nanaimo, B.C.

Butchering days

In the 1880's and 90's all the farmers raised several hogs for their own meat supply for the coming year. These would be fattened and ready to butcher as soon as the cold weather came in the fall. Two or three of the neighbors would get together and the hogs would be killed, scalded, scraped and hung up and the entrails taken out. After cooling came the cutting up into suitable sizes for handling. The fattest portions were trimmed off and the fat rendered out as lard.

This was mother's job, but she usually had help. The lard was put into earthenware crocks for future use. The sausage meat, including the trimmings from the hams and shoulders, was usually put in crocks also. Sometimes the small intestines were cleaned and washed and filled as the regular way of keeping the sausage.

The hams, shoulders and side wooden tubs or barrels and meat (bacon) were packed in covered with brine. After a certain time taken for curing, this meat was taken out of the brine, wiped dry and hung up in the smoke house where a fire of a certain kind of wood was built under it. This fire was kept smouldering for days after which the meat was a finished product and if hung in a dry, cool place would keep indefinitely.

E. A. Quantz.

Innisfail, Alta.

First Car

It was about 1905 when Mr. Scarrow, the livery man, brought the first automobile into Rathwell, Manitoba.

He had bought the car down near Winnipeg. It was second hand; had been dark blue or black in color. The seats seemed high and shallow. There was no top, and the tires were patched in such a way that a piece flapped each time the wheel turned.

The car was displayed officially at the Rathwell annual sports and was used for one of the special events by charging the children five cents for one lap around the race track.

Before I could get a ride, the price had gone up to ten cents, because the grown-ups had crowded the children out.

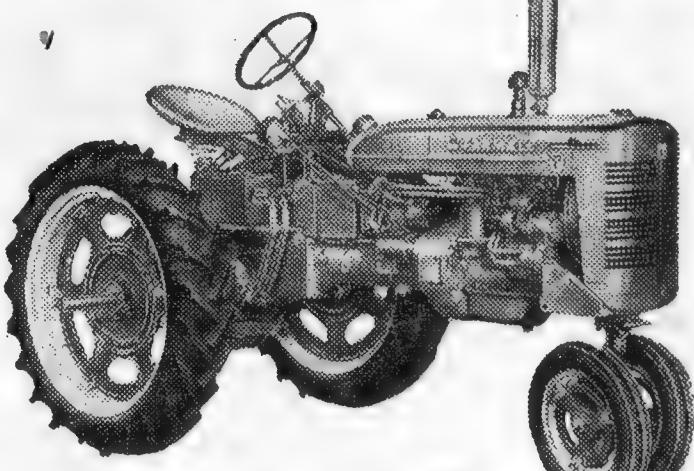
Mrs. J. D. McKinnon.
McKague, Sask.

U.K. bacon ration

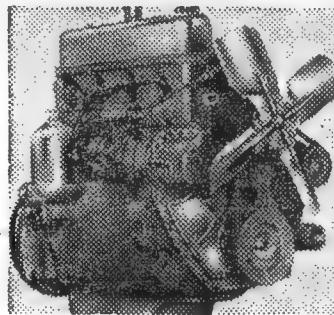
DUE to a slight improvement in supplies from European and home sources, the bacon ration in the United Kingdom has been increased from 3 to 4 ounces per week. The weekly cheese ration has also been raised from 2 to 3 ounces.

it's NEW! it's super!

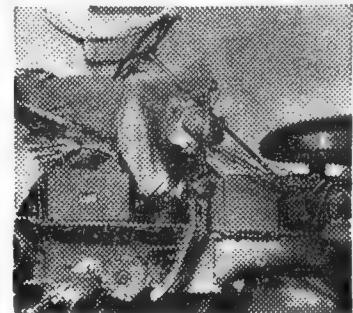
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FP-41

Jesus of Nazareth passeth by, but we don't seem to care

By FRANK S. MORLEY, Ph. D. (Edin.), B.D.

THERE is a scene in the Bible that always sends a chill up my spine:

"And it came to pass, that he was come nigh unto Jericho, a certain blind man sat by the wayside—begging: And hearing the multitude pass by, he asked what it meant. And they told him that Jesus of Nazareth passeth by. And he cried, saying, Jesus, thou Son of David, have mercy on me."—St. Luke DVIII: 35-38.

I want you to study the critical nature of the scene. They told the blind man that Jesus, the only person who could give him any hope of seeing again, was passing by. Unless the blind man seized Him now, unless he could make himself heard, the opportunity would never come again; and in desperation he cried out, "Jesus, thou Son of David, have mercy on me."

But opportunity never does return. Jesus passes us by and unless we seize Him in the passing, we never get another chance. Opportunity comes once, never twice. In our sentimental fashion we talk of a second chance. There is no second chance.

Boyhood and girlhood come only once. A man is a boy but once and a woman is a girl just once. You can never turn back the wheels of time and regain that glad moment of life. The virtue you win or the vices you embrace in boyhood and girlhood can never be undone, although you may later shake free of the shackles, or you may turn from your goodness. That period of life is passed and the opportunity gone. When Adam and Eve sinned they were driven out of the garden and an angel with a flaming sword barred their return. An angel with a flaming sword always does keep us from returning to our gardens.

And if it is true of the individual life, it is also true in national life. Here is a scene from the entry of Jesus in Jerusalem. He wept over the city says, "O Jerusalem, Jerusalem, if thou hadst known in this thy day the things that belonged to thy peace, but now they are hid from thine eyes."

It had been for Jerusalem a time of opportunity, but she had missed it. Jesus of Nazareth passed them by. Someone has written that there is in the history of a nation a time of grace, a time of blindness and a time of judgment, three periods of a nation's history. Jerusalem was now passing into that period of blindness where she could not see the truth and judgment and sad retribution would come with the devastation of the year 70 when Rome destroyed the city.

Our Chance

WE, too, had our chance after 1918 to build a law-abiding moral world, of economic equity and social respectability, and to build with a new spirit a strong foundation of international law, but we proceeded to turn our liberty to license, to throw self-restraint to the winds, to lead lax, uncontrolled lives and the disaster of this war came as a judgment of God on a Christless paganism. Face to face with the fact that unless we built on everlasting truth the foundation of our house was rotten and the building would fall, we built on principles of greed and violence, on selfishness rather than sacrifice. The time of opportunity passed.

"Once to every man and nation comes the moment to decide

In the strife of truth and falsehood for the good or evil side;

Some great cause, God's new Messiah, offering each the bloom or blight,

Parts the goats upon the left hand and the sheep upon the right,

And the choice goes by forever, forth twixt darkness and twixt light."

We have an opportunity now to create a better world, a Christian, democratic world. Once gone, that opportunity never will return: our race will have missed its opportunity.

Against us the Communist world is lined up in what it believes to be a fight to the finish. They do not believe that they need to go to open war with us. They believe that we will be defeated by internal weaknesses. Did not Toynbee find that every civilization was destroyed by weaknesses within itself and not by war or famine or other external pressure?

So one of the greatest lessons in Toynbee's Study of History is this: That when a superior civilization ceases to struggle against an inferior civilization, the inferior civilization will eventually overwhelm it; the village life out of the village.

Eternal Struggle

The Communists are right. Struggle is our destiny. In the long run either democracy or communism will survive.

Let us contrast faith of Communism with that of Christianity so that we may take stock, see what progress Communism is making in its campaign against us.

Christianity has believed in eternal truth: that the Ten Commandments, for example, express unchangeable truths; that nothing can make Judas right; that adultery and murder are always wrong. Communism—on the contrary believes that truth changes from

day to day. From a thousand possible quotations take the words of Stalin:

"Words must have no relation to actions — otherwise what kind of diplomacy is it? Words are one thing, actions another. Good words are a mask for concealment of bad deeds. Sincere diplomacy is no more possible than dry water or wooden iron."

There is no greater evil than this, for it destroys the very communications between man and man. The iron curtain consists not so much in a military wall, as in the fact that we are left without language. If civilization is communication, then Communism has made a civilized world impossible. Lenin said, "It is necessary . . . to use any ruse, cunning, unlawful method, evasion, concealment of the truth."

In the second place the Christian believes in "God the Father Almighty". The communist is anti-God. Most significant is the statement of an English communist: "Atheism is a natural and inseparable part of Marxism, of the theory and practice of socialism. Marxism cannot be conceived without atheism. I would add that atheism without Marxism is incomplete and inconsistent." Another communist declared, "Communism begins the moment atheism begins".

If this be true, then communism is well on the way to winning. A vast number of people live as if God did not exist. They ignore their Churches. God has no reality in their lives. They have no reverence, no worship, no devotion outside themselves. Governments are most cynical toward the Church. They hold their parades on Sunday. Our societies hold their golf and tennis and baseball games on Sunday. Now those who know me know that I am not a fanatic Sabbatarian, but today Sunday has been distorted into a day of mad motoring and amusement. "Communism begins the moment atheism begins".

Tall and Short



We don't think that Mrs. W. H. Olson of Idesleigh, Alta., who sent us this picture would call it a well-matched team. But she won \$3 for the unusual anyway.

gins." It is instructive to read Marx and Lenin on the necessity of destroying religion. Are we so far from communism?

Nowhere should we contrast more with Communism than in education, but do we? A White House Conference called by President Hoover passed resolutions as to the rights of every child. "The Children's Charter" which the Conference issued began with this statement: "For every child, spiritual and moral training to help him to stand firm under the pressure of life." This is a fine deal for our Christian and democratic education. How tragic then that our education has become increasingly secular and pagan.

We used to teach our youth that "Reverence for the Eternal was the first thing in knowledge". Now, however, we have accepted the communist principle. And what is that? Listen to Professor Pinkevich who was head of the educational system of Russia: "The teaching of religion in all its forms is forbidden in the Soviet schools. Soviet education aims at creating human beings, grounded in a scientific, materialistic outlook . . . The Soviet school . . . is conducted on distinctly materialistic and anti-religious lines." So to all practical intents and purposes we are making our schools communist. The religious ignorance of children has become appalling. We have a religiously illiterate generation growing up. We are creating a race of pagans, as the communists wish.

Other Contrasts

There are other contrasts. Or rather, should be. Christianity has emphasized the individual. The communist sees man in the mass. Individuals don't matter. It is estimated that Lenin was directly responsible for the death of at least eight million of his fellow-countrymen. Communism divides men into classes. Christianity believes in one community where there is neither Greek nor Jew, bond nor free, privileged nor unprivileged, but all are one in the Christian fellowship. Unfortunately we have leaders who keep in power by inciting one group against another, who speak of some people as privileged, who set up labor against capitalist, farmer against laborer.

We can give youth something to live for today. We have all the tools with which to build a good world. Stanley Jones said when he returned to America after a long absence that the youth of America were the finest generation his country had known except for one thing. They had no sense of mission.

When the Council of Churches met after the war with representatives from nations all over the world, men who had just a few days previously been in concentration camps, men with the scars of war, they issued a statement declaring that mankind stood between life and death. We have an opportunity

today that will never come again. Truly we have the Gospel which can redeem the world. And there is no other Gospel.

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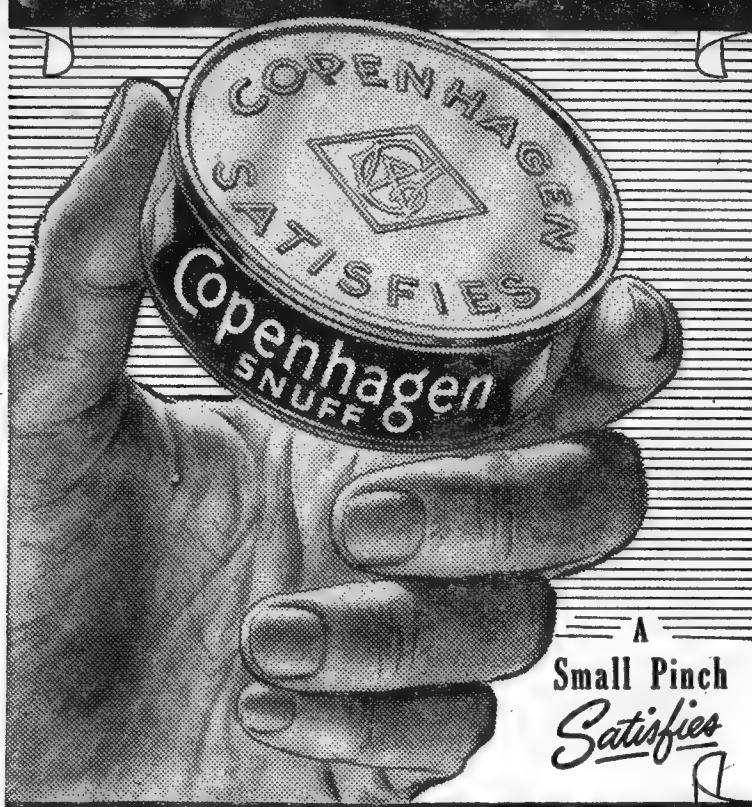
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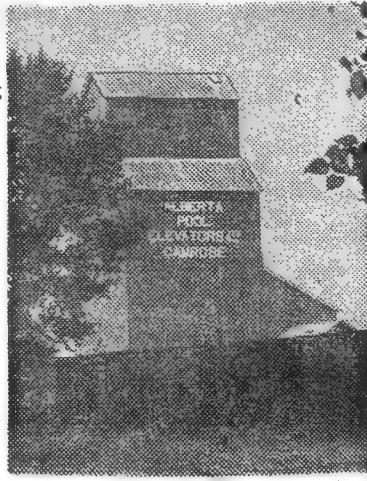
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Farm people who can possibly do so will find that it is to their advantage to patronize.

ALBERTA POOL ELEVATORS

Any farm field is good for arrow-head hunting

By KERRY WOOD

THIRTY years ago Hugh Bower was ploughing a stretch of prairie sod near Loyalist, Alberta, when his shares turned up a crescent-shaped object which proved to be an Indian stone knife. Ten years later Mr. Bower had occasion to skin a beaver found dead on a stretch of creek near his home farm at Red Deer, and was amazed to discover that the ancient stone implement was a much better skinning tool than a modern knife!

That little incident helped spark his interest in Indian relics. Today, Hugh Bower has scores of stone knives in his collection. They are shaped like a half moon, the rounded part fitting into the palm of the hand while the straight edge, averaging 3 inches long, has been fluted to a saw-toothed sharpness which makes skin-

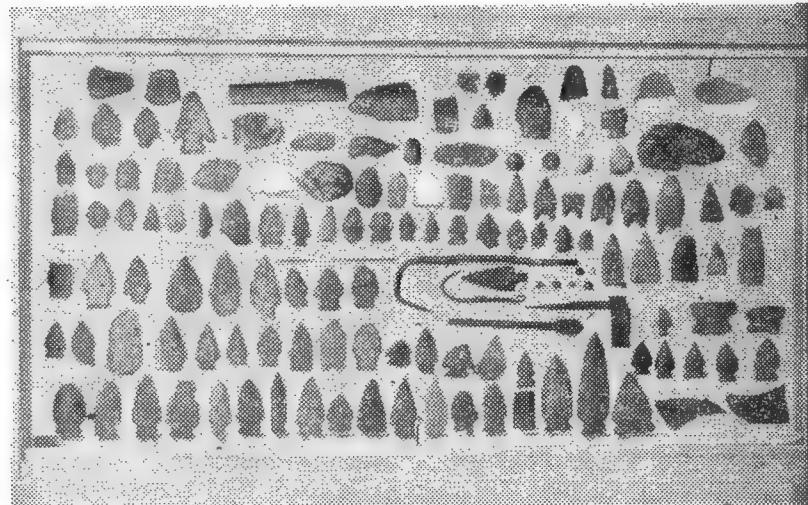
tools throughout that time. It's only natural that our tillage machines should expose relics now and then, and farmers can't resist collecting them."

Best Known

The arrowhead is the best known relic. Mr. Bower dumps a shoe-box full of arrowheads on a table top and quickly separates them into different groups. The familiar notched style of head is the most plentiful pattern found in the West; it is considered the "modern" head made by Indians the last thousand years. Some notched heads are tiny, and were used for shooting birds or small animals and possibly as heads for children's arrows.

Large heads were likely used as spear-points, as western Indians used to ride close to the flanks of stampeding buffalo and thrust stone-headed lances

Arrowheads



These arrowheads, spear points and iron fish hooks were found on his farm by J. N. Olson of Rocky Mountain House.

ning easy. In addition to stone knives, Mr. Bower has hundreds of arrowheads, some beautiful spear points, stone awls or skin-needles, stone axes of large size, tiny thumb-scrappers used for fleshing weasel skins and other small pelts, while there are many sizes and shapes of "pemmican-pounders", the large grooved stones frequently found on Western farmlands.

Hugh Bower spends all his spare time during the spring, summer, and autumn walking the wind-swept ridges and hills that have been newly broken or left in bare summer-fallow. He goes out into the fields after a heavy rain, knowing that water helps to wash away the cover-soil and leave stone relics exposed to view. And as he walks the fields, Mr. Bower reports meeting many fellow-farmers who pursue the same fascinating hobby.

"Every farmer in the west has found an Indian relic at one time or another," Hugh claims. "It isn't surprising, when you remember that Indians lived in this land for thousands of years and used stone weapons and

into their victims. Many arrowheads are of crude workmanship, but now and then a perfect specimen is found. On Easter Sunday of this year, when Alberta was shivering under a 20-inch blanket of snow, Mr. Bower went to the highest hill in his district and found a tiny patch of wind-swept bare soil: there he picked up the most beautiful arrowhead in his collection.

"While notched heads are plentiful, we find a number of square-shanked heads of the Yuma type here in the West. The Yuma heads date back about ten thousand years, according to experts. There's also the Folsom Point, a fluted head of the notchless variety. Folsom points may be around fifteen to twenty thousand years old. Arrowheads found in the deepest strata are called Sandia-cave, a form of one-barbed point associated with the mammoth period on this continent — roughly twenty-five thousand years ago. Nobody is sure about these ages, of course; I'm

(Continued on page 17)

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(Continued from page 16)
just giving you the ideas advanced by experts."

Hugh Bower finds most of his relics on new breaking, and prefers slopes to the hollows. The relics are turned up from an average depth of 8 inches, and he estimates that they were "deposited" or lost there by Indians at least five hundred years ago. He likes to speculate about what would show up if we could plough 20 inches deep. Not that he hesitates to dig, if he believes he has found a productive area. Once he found a fragment of a spear point and dug for an hour before finding the main part. After going home with the two fragments, he decided there was still another part missing, and went back and dug for a couple hours before finding the final part of the 6-inch head.

"Note that it's an oblique sort of material — it's not native Alberta rock. These shiny points made of Obsidian, or volcanic glass, are found all over the West, yet there are no obsidian deposits in Western Canada that I know of. There is a deposit down in the Yellowstone Park country, and I suspect Indians used good arrowhead material of this sort as a trading medium between tribes and individuals. Mind you, obsidian points were made here in Western Canada, because you'll find chips of this material around old campsites. But it was imported raw material, I believe."

Copper Heads

He has many oddities in his collection, including a neat little arrowhead made of copper. There are stones with round holes in them, which may have been used by Indians to smooth arrow shafts to uniform size. There are bones with fluted edges; either fleshers or used to dress up leather with decorative designs. He has fragments of pottery, some of it with decorated edges of crude ornamentation, some pieces with remains of an ancient stew encrusted on the pot —

"That squaw couldn't have been a clean dish-washer," Mr. Bower jokes.

No Tomahawks

He does not find tomahawk heads, and thinks they were not used much by Western tribes. He has three hand-axes, called seltz. One of these is made of a glossy green rock known as Jadite. The larger stone axes resemble a double-bladed axe in shape and size, and were fastened to the side of a wooden handle by means of thongs.

Pemmican-pounders are the largest relics found on western farm fields, tools that weigh as much as five pounds apiece. Most of them are large rocks resembling a kidney in general shape, with a chipped groove around the middle which held rawhide thongs that bound the tool to a handle. There is often evidence of wear on one surface to indicate the tool had been used for pounding.

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THE great wealth of shrub material suitable for our Prairie gardens is mostly June-flowering, so unless we plant autumn interest in the form of attractive fruits or high-coloured foliage the shrub border will present a drab appearance after the season of bloom has passed. A few varieties of hardy shrubs are listed here and described.

Ginnalian Maple grows to a spreading shrub, about 15 feet high. The foliage remains clean and attractive the whole season. Its beauty is greatly enhanced in September by masses of colourful seed and its crimson and gold leaves. To encourage the full development

Get more autumn colour in prairie gardens next year

By H. F. HARP

of autumn colour ginnalian maple should be planted in full sun, in soil that is neutral or slightly acid. High lime soils are not suitable as they tend to induce "chlorosis" or iron deficiency manifested by yellow leaves in midsummer.

Cotoneasters are colourful in leaf and fruit C. acutifolia has glossy foliage and black fruits. It may be used as a medium hedge or as an individual speci-

men attaining 5 to 7 feet. The European form C. integerrima has greyish leaves and bright red berries. Both of these Cotoneasters take on rich autumn colour.

Potentilla or Cinquefoil make interesting plants for the shrubbery, having the merit of flowering at a season of the year when most shrubs are done blooming. P. purdomi and P. Farreri are two choice varieties with golden-yellow flowers and dainty green foliage. They commence flowering in July and continue until late autumn.

Barberries are attractive in flower and fruit. Many have the added merit of red leaves in fall. Berberis Poiretti is the hardiest Barberry grown on the prairies. It remains attractive all season long. Fruits are pendulant scarlet berries hanging in clusters. The winter appearance of the plant is rather striking as its stems and twigs are reddish. It will stand trimming remarkably well so that its use as a hedge plant should not be overlooked.

The native cranberry should be more widely grown in our gardens, or, better still, are some of the improved forms. The variety "Manits" has extra large trusses of creamy white flowers followed by bright red berries that remain on the

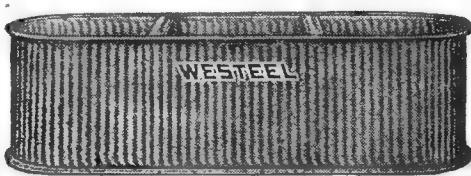
bushes all through the winter. High autumn colour of the foliage is a feature.

Of trees suitable for the home grounds and having autumn interest we have a limited choice. Where space permits a few specimens of Ash and Tamarack or Larch will make the brightest shade of golden yellow. Ohio Buckeye resembles the less-hardy Horsechestnut. A well-flowered tree makes a striking picture with its masses of white flower-spikes. Fruits are handsome chestnuts enclosed in a bronze coloured husk. The whole plant glows in fall with crimson and gold leaves.

Mountain Ash, both European and American forms, make attractive trees or tall shrubs. The large compound leaves are handsome and colourful in autumn. Fruits are scarlet berries, plentiful in September and beloved of the robins. Mountain Ash enjoys a neutral soil and a position facing east or north gives protection from sunscald. Fireblight may be a factor in deciding against planting a Mountain Ash.

Where this disease has shown up no time should be lost in cutting away the infected portion to a point where healthy growth commences and consigning the prunings to the fire heap.

The Mongolian Oak is a slow-growing tree well suited for the small garden. The foliage is shapely and colorful in autumn when winter comes. The leaves of Mongolian Oak take on a



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russet brown colour and remain on the plant until early spring.

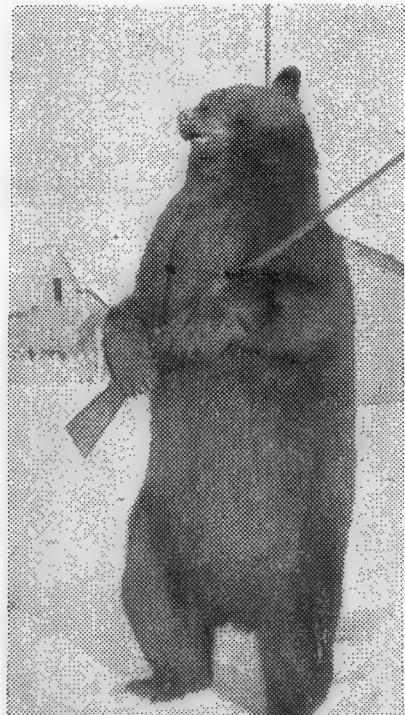
SEASONABLE HINTS

Lawns — New lawns may be seeded up until mid-September providing the soil has been kept free of weeds during summer. A dressing of fertilizer: Ammonium sulphate at the rate of one ounce per square yard should be lightly raked into the soil before seeding.

Recommended grass mixtures for prairie lawns contain a large proportion of Kentucky Blue Grass, say 80% plus 10% Creeping Red Fescue, and the same proportion of Red Top. The latter is a short-lived nurse grass. In a few years it will be crowded out by the Blue Grass and Fescue. Where no water is available, the Blue Grass may be increased to 85% of the mixture and 5% White Dutch Clover substituted for the Fescue.

Rate of seeding should not be less than 4 lbs. per 1,000 square yards and 5 lbs. is not too heavy. Where seeding is being done by hand it is best to divide the quantity of seed into two equal portions, sowing one portion while walking from north to south and the other portion from east to west. A more even coverage results from using this method. A light roller should be used to press the seed firmly into the soil. After the seeded area has been rolled a very light scarifying is given by gently drawing the rake across the surface. This will prevent a hard crust forming and allow the tender seedlings to push through the soil with greater facility. No mowing will be needed until spring. A few pieces of "brush" or corn stalks should be placed over the exposed portions of the lawn to hold snow.

Bear Hunting Man



Yvette Lebrault, Lac du Bonnet, Man., got this shot of a well-armed bear. Even if it is frozen stiff, this bear looks very life-like and menacing, with or without the gun.

Any bare patches can be seeded in early May and the lawn given its first mowing about the end of the month. See that you have the cutting blade adjusted to cut at its highest point for the first few cuttings.

AUTUMN PLANTING

Perennials — At this season of the year we have more time than in spring and we would do well to consider what may be safely planted now, bearing in mind that fall planting will greatly relieve the pressure of spring work.

Peonies and Hardy Lilies — are two important groups of plants that may be planted with safety in late September. The former are perennials of long duration, worthy of extra care in the preparation of their permanent quarters. Keep Peonies away from trees and shrubs. At least six feet from the spread of a tree or shrub should be allowed. Full sunshine is much the best for Peonies, although they will grow with moderate satisfaction in the shadow of buildings.

Best size for planting is a three to five-eye division. Purchase from a reputable grower, otherwise there is a danger of receiving diseased or wrongly-named varieties.

Plan to include Festiva Maxima, Avalanche, Mdm. Lemoine, Karl Rosenfield, Mary Brand, Jules Elie, Sarah Bernhardt, and Edulis Superba in your planting as these will furnish a succession of bloom over a long period and a variety of colour. All are very reliable sorts and may be purchased at reasonable cost.

Record the names of your plants when setting them out so that you may properly identify them when they bloom.

Lilies — New varieties of hardy lilies developed on the Prairie include: Apricot Glow, Jasper, Oriole, Dunkirk, Helen Carroll, Orange Princess, Amaryllis all are worthy of a place in any lily collection.

The old varieties such as Candelstick Lily, Willmott's Lily, Yellow Caucasian, Tenuifolium or Pumilum, Mortagon, Tiger Lily both single and double forms, are all easy to grow and may be planted at the end of September. The soil should be a mellow loam of medium texture. The Mortagon or Turkscap Lilies seem to enjoy a heavier soil and will tolerate shade.

Lily bulbs should be handled very carefully so that the scales are not damaged or broken off. Plant them all about six or seven inches deep with a four-inch layer of clean, coarse gravel under each bulb. Place a few handfuls of gravel on top of the bulbs and replace the soil. Do not apply water even if the soil appears dry. A few pieces of evergreen boughs or corn stalks will hold snow if placed on the lilies at planting time.

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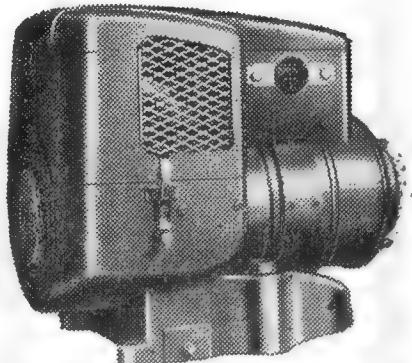
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By A. J. DALRYMPLE

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The milk story is a book-of-a-thousand-chapters. To many it is a mystery story, and no possible conclusions in sight, — except possibly a rise in price.

The milk trail leads eastward from Vancouver Island, through the mainland coastal area into the interior, and on to Alberta, the mid-west and the eastern provinces.

Why the confusion? Some producers are endeavoring to hold the price line. They feel that if the price goes up again the poor will not be able to buy, and as a result milk sales will drop lower, with consequent reduced revenues for the farmer.

Some grower groups declare they must have a raise in price. Members of District "E" Farmers' Institute is calling for a 40-per-cent increase.

Trail and District Milk Producers' Association is demanding \$7 per hundred for 4-point milk. Vancouver Island Dairy-men's Association says that the present price of \$5 per hundred-weight is not enough. They want at least \$6.72.

There is confusion because various producer bodies make different demands. The consumer, generally, does not realize that costs vary with districts, shipping points, fertility of land, and the personal efficiency of the farmers themselves.

Herd Reduction

Much has been written about the sacrificing dairy cows on the altar of beef. In Fruitvale six producers sold their stock and went out into other business. More than 30 herds have been sold in Victoria area.

Then three leading Jersey breeders of the coastal area announced that "owing to milk

conditions" they were going in selling 700 head in the U.S.

This came up at the first public hearing of B.C. Milk Board in Vancouver, after it had been raised from one member to three.

Ald. Anna Scott said: "I am not filled with fear over that bugaboo. There is a normal increase in those herds, and it is normal business to sell the surplus."

The first hearing was opened to review an application from seven dairies who wished to try every-other-day delivery in one section of Vancouver, in order to reduce costs.

Three dairies opposed the scheme. One dairy said it "could survive" on every-day delivery.

The application of course was fought by a number of consumer groups who said that many persons in the proposed zone were without refrigeration.

There was confusion, too, because the consumers could not understand why one dairy could get along under the present system when others claimed they could not make expenses.

Persons living in the proposed skip-a-day zone refused to be the guinea pigs for the rest of the city.

Then came Basil Gardom, Independent Milk Producers' Association, saying: "Dairy cows have been slaughtered by thousands. Milk production in B.C. has fallen off 5,000,000 pounds in three months.

The present system requires a mathematician to understand it, and a squad of detectives to enforce it.

"It fixes prices to consumers' level on 60 types of milk products; and the producer level on 26."

He described proposals for a three-a-week delivery as an "attempt to cloud the issue by certain distributors."

Attorney General Gordon Wismere said: "I am not intend-

Prize Picture



Mrs. F. W. Gates of Red Deer sent us this picture of old Fort Norman-deau which has been restored and cared for by the Old Timers' Association.

ing to interfere with the functions of the Milk Board, and I have no knowledge of whether the skip-a-day system is proper or not.

"But there must be some doubt in the minds of the Milk Board or it wouldn't want to try it out on a section of the population. One section should not be singled out for a test if there is any possible danger to health."

The Milk Board operates under provincial act. Chairman Ernest Carr said he had no comment. No decision has been given out at time of writing.

Drought and Woe

The drought has added to the general woe in the coastal areas. No rain in more than two months. Pastures are dead. Farmers are feeding hay they would normally keep for winter.

B.C. Federation called upon Hon. Harry Bowman, provincial minister of agriculture, advising him of an emergency, and calling for a survey of feed needs for the present and for the winter.

Mr. Bowman instructed district agriculturists in affected areas to start the survey.

Hon. J. G. Gardiner was informed of the crisis, and the federal government was asked for a special order-in-council granting federal freight assistance in this area and to continue during the emergency.

While local hay supplies are dwindling, prices are quoted at \$40 to \$50 per ton; some coming in from Washington state.

Buyers are looking toward Alberta for winter hay.

There is also talk that Alberta may yet be the milk shed for B.C. There are several reasons for this. In the Fraser Valley industries are moving in and bringing population with them. They are setting up establishments on some of the finest farm land in America. That land is lost to crop production.

I was on Cline Hoggard's beautiful 180-acre farm the other day while he swept the board for potato prizes. He said: "It will be the last time that I will win prizes on this land. It is being taken over to lengthen the runways at the airport. Other farms will follow; jet planes; defense."

So B.C. must go farther east for milk, and fears for the supply next winter. Reports in Vancouver state that hay in eastern provinces is not up to the mark, owing to heavy rains, and that milk production will fall off there.

There are reports that Manitoba will show an increase in consumption of reconstituted milk this winter. Powdered milk is produced in B.C., but it is not favored by the producers because there is not the money in it as compared with the fluid product.

However, the canned fluid, and the powdered skim is produced and sold. Now comes a canned Quebec skimmed to compete with the B.C. powder.

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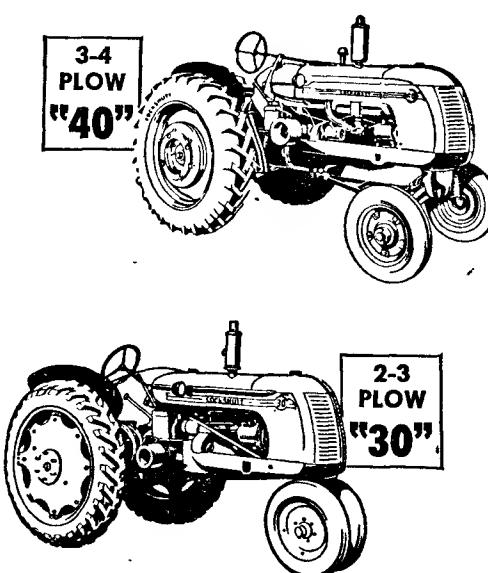
Here's the story in a nutshell. With ordinary power take-offs, every time you stop your tractor the mechanism of your driven implement slows down and stops too . . . frequently clogs and has to be cleaned before you can move forward again. After every stop you have to back up for sufficient run to get the mechanism of your driven implement operating again before heading into the work ahead. The time you WASTE runs into hundreds of hours a year!

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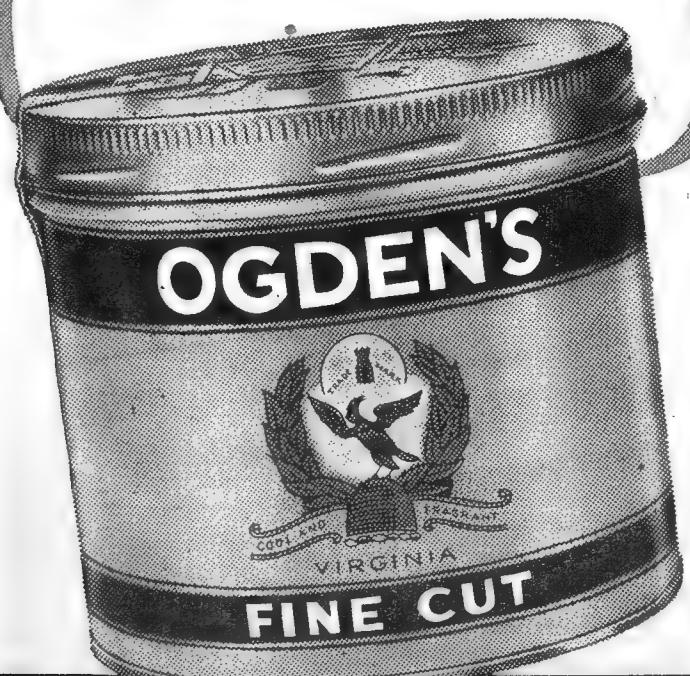
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Alberta's power "plan"

To the Editor:

My attention has been drawn to an article appearing on page 16 of the Farm and Ranch Review, July, 1951. The article is by Henry Young, President, Farmers' Union of Alberta, and is entitled "Rural Electrification in Manitoba and Alberta." The article ends by summarizing four points of comparison between Alberta and Manitoba. I find in the summary a great deal of misinformation. I am accordingly herewith presenting the facts.

Point No. 1—In respect to Point No. 1, in which it is stated—"Alberta — power companies in charge, no overall plan."

This is false. Alberta has a plan. It is quite definite and is being worked out by 164 farmers' organizations, the Power Commission, and the Co-operative Activities Branch.

Settled areas of the Province are being covered by a network of power lines in a program which is limited only by the availability of labor and materials. When necessary, associations are aided financially by the guarantee of the Provincial Treasurer.

The farmers through the medium of their Rural Electrification Co-operative Associations are the sole owners of their distribution system.

Point No. 2—Alberta farmers pay for their local distribution system which they own. The average cost on the completed projects for which the figures are available is \$831.00 per farm. Some areas were below \$600.00 per farm. There were also isolated areas where the costs ran higher.

The power companies provide the whole transmission system to bring the power to the farmers' local distribution system. The farmer pays for the power he actually uses. The power companies take care of all line loss on their main transmission system and the farmers' local distribution system as well.

The power companies may not take over the farmers' lines except by negotiation with the farmers' association.

Alberta farms have installed as standard equipment a 3 K.V.A. transformer, which is identical with the transformer referred to as a 5 H.P. transformer. The writer of the article apparently did not know that the 3 K.V.A. transformer used as standard equipment in Alberta is identical with what is referred to as 5 H.P. transformer in Manitoba.

Point No. 3—Alberta power companies make every effort to hook-up individual farmers and small groups where an association is not available. Several hundred such hook-ups have been made as well as many hamlets and other non-farm customers which have been supplied over farm lines.

Point No. 4—Alberta does not lag behind any other western province. Twelve thousand farms were being supplied with power by the end of 1950 after only three or four years of construction. This number is being added to as rapidly as the available crews can do the job. Manitoba has been working under its plan for over thirty years.

In 1951, the power companies in Alberta will hook-up as many new farmers as time and material will permit and will still have more groups ready for construction in 1952. The number of new rural electrification associations is increasing steadily.

If there were no plan and no one interested, it is strange, indeed, that already one hundred areas are already electrified and another sixty-four presently under way.

I trust that for the information of your many readers, you will give this reply the same prominence as you gave to the original article.

John L. Robinson,
Minister of Industries and
Labor.

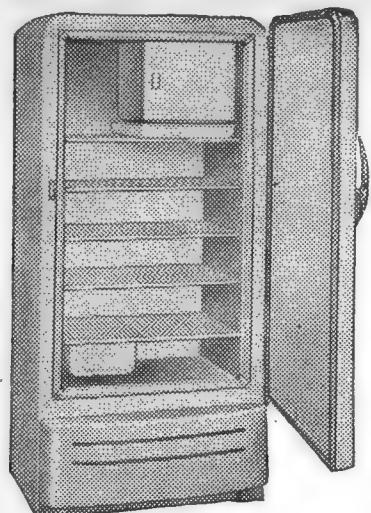
Back to the 10 Commandments

To the Editor:

I have taken your paper for some years and seen it for many, but the past three or four years I have read it more closely and have realized that your editorials are possibly the best written and soundest of any paper I take. Quite a number. Permit me to compliment you, even though I do not entirely agree with them all.

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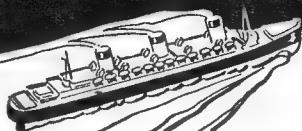
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I note today that you have "closed the Trinity subject".

I wonder why so many people cause ill-feeling and harm to religion by demanding that their interpretation of the Bible is the correct one and everyone else is wrong. I cannot understand how anyone can tell just what the Lord meant when He said this or that.

Why will not all people be satisfied and happy to take the Ten Commandments for the base of their daily behavior? Surely there can be no room for argument or petty differences in their real meaning. Their wording is so simple and clear that the most un-educated among us can understand them. These countless "know-it-all" people have almost destroyed protestantism.

I don't think that the Lord gives a hoot whether we read the Bible or not, just so long as we use the Ten Commandments as our guide — and follow that guide.

Again thanking you for your editorials (so forthright) and a continuance of Rev. Morley's articles.

Frank C. Highfield.

Ladysmith, B.C.

Prefers Canada

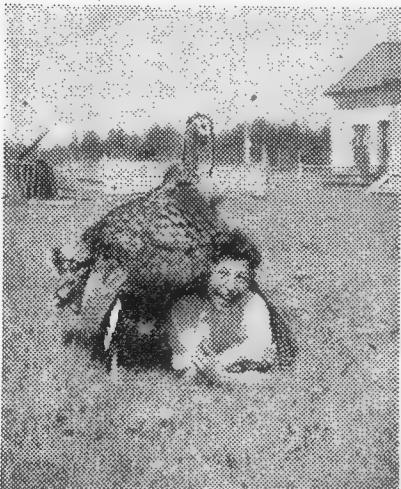
To the Editor:

I am a Canadian who has been working for the past few years in the American Middle West. I felt I had to improve my opportunities and it seemed so simple to go south over the border. Now I know I have made a mistake. Away from my country, I have been able to see that Canada has a character and individuality of her own. She is not American, nor European, and in many ways, blends the best of both. Her future seems to hold the brightest benefits for her people. I am sure now of one thing, that I will return and be content in knowing I am, and always will be, a Canadian.

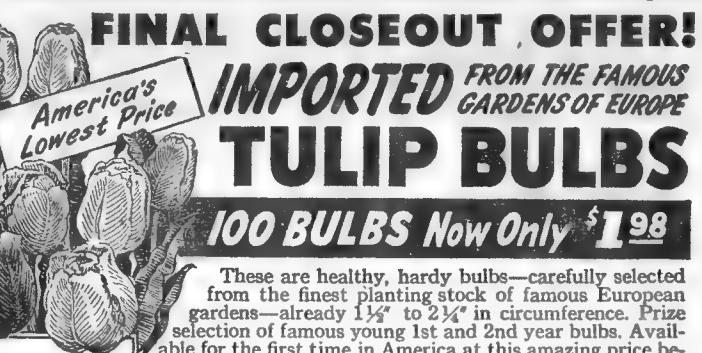
Marcel Colbert.

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Watch that Beak!



R. J. Lehman of Fork River, Man., sent us this picture of Ernie Shumkay having fun with a gobbler.



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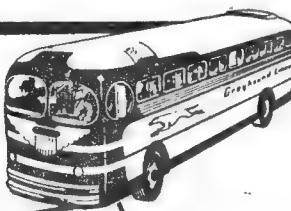
We're getting

away this

FALL

VIA

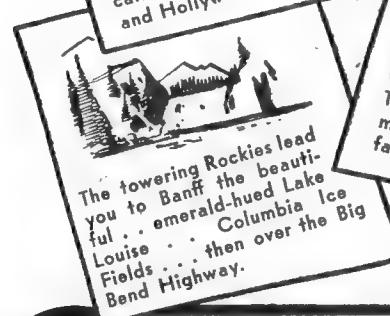
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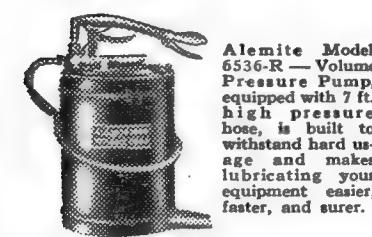
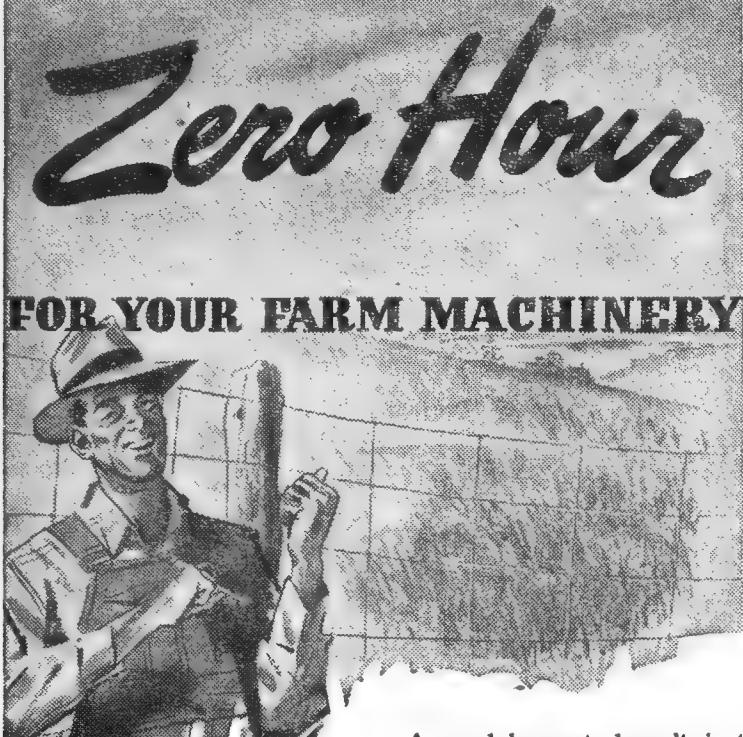
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Matriach

Mrs. Ethel Kerns of Wimborne sent us this picture of the Grandma of their Holstein herd with her daughter, grand-daughter and great-granddaughter. See any family resemblance?



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Russia's peace offensive goes into high gear

By BEN MALKIN

DURING the past two months, Russia has very vigorously speeded up its "peace" campaign. It launched an English-language magazine in Moscow called "News", whose theme was that historically, there is no real enmity between Britain and the United States on the one hand, and Russia on the other; and that Russia is a "satiated" power, which needs no further expansion. Russia also proposed a five-power peace pact (not for the first time) between Russia, Communist China, the United States, Britain and France, with the purpose of reducing armaments and international tensions. Finally, the Russians organized a youth rally in Berlin, at which about 2,000,000 youngsters attended.

This campaign seems to have several purposes. First, it is aimed at the people of western Europe and Asia. It is an attempt to convince these people that Russia's policy is based on peaceful intentions. Second, it is aimed at the Russian people themselves. It is an attempt to convince the Russians that if war comes, it would not be a war of Russia's making, and that Russia would be defending herself. Third, it is aimed at the people of North America and Britain, in an attempt to persuade them to stop rearming.

In reply to this campaign, the United States and Britain have said that if the Russians want peace, they need only work through the United Nations charter, which is a peace pact in itself. Second, before a new pact is signed, old obligations should be fulfilled. These include the Potsdam Agreement of 1945, whereby it was agreed that Germany should be unified, and a government formed there through free elections. Also, the peace treaties with Bul-

garia, Romania and Hungary, called for limitation of armaments and free elections. None of these treaties has been honored by Russia. It is the breaking of these treaties that has helped bring about the present

Canadian Quiz

By GEOFFREY SHAWCROSS

1. Who was the famous medical missionary who laboured in Labrador for many years?
2. What noted explorer died of scurvy in our Arctic?
3. What hanged rebel is buried near St. Boniface Cathedral?
4. What noted swimmer perished in the rapids of the Niagara in 1883?
5. What famous royal figure lived with his mistress in Halifax?
6. What was he nicknamed by the great Duke of Wellington?
7. Which Ontario town was once called "Berlin"?
8. What noted pirate is associated with Nova Scotia?
9. Who was the first Anglican bishop of the Arctic who set an episcopal fashion by using an airplane to get round his huge diocese?
10. Which "modern" governor-general disregarded the advice of the contemporary premier?
11. After whom is Prince Edward Island named?
12. What is our most remarkable bird?
13. Where is our principal observatory?
14. What Canadian became premier of the old country?
15. What noted ship visited Canada in 1901?
16. After whom is Alberta named?
17. Where can the words "The Great Divide" be seen?
18. Which is our most historic city?

(Answers on page 29)

tensions. What's the use of a new agreement, say Washington and London, if the old ones aren't fulfilled?

This makes sense, but there's another angle to the Russian proposal for a peace agreement that needs to be considered. Western policy is based on building up military and economic strength to the point where Russia will be certain that she can't win a war. Then, it is hoped, Russia will be ready to negotiate a settlement. If there weren't such a hope, our present policy wouldn't make any sense at all, for if we didn't hope for a settlement, we should prepare for all-out war, and be done with it. But since there is such a hope, then we can assume that some day, Russia will propose an agreement and really mean it. We don't know when that day will come.

Fooled Before

The thing to do, then, is to take every proposal that Russia makes, consider it carefully, discuss it among all the Western allies, then make counter-proposals to the Russians. We have been fooled by the Russians so often that we can't be blamed for rejecting all their

proposals out of hand. But the stakes are so high (civilization itself hangs in the balance) that we can't afford to let any opportunity for making a stable peace go by. Besides, by examining carefully every proposal as it comes along, we gain moral stature among those millions of people in Europe and Asia who want to avoid war above all else.

These are the lines along which many thinkers and



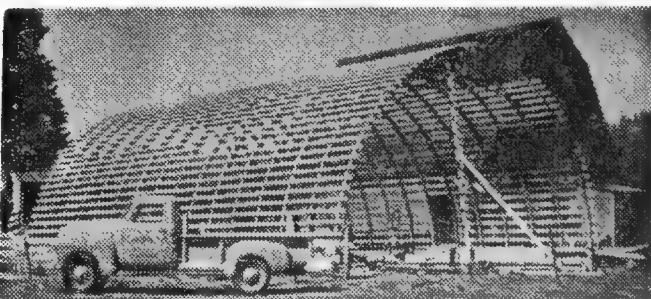
"You know darn well that I haven't got the furnace set that high."

writers on foreign affairs in Britain, the United States and Canada are thinking. They admit that Russia has reneged so often that it isn't easy to do anything but reject Russian proposals out of hand. But if there is to be a world settlement by negotiation instead of war, the past may have to be forgotten and a new start attempted at some time or other.

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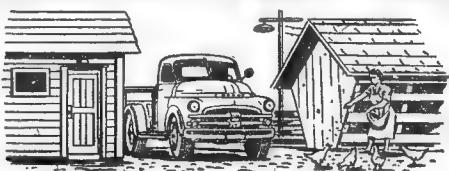
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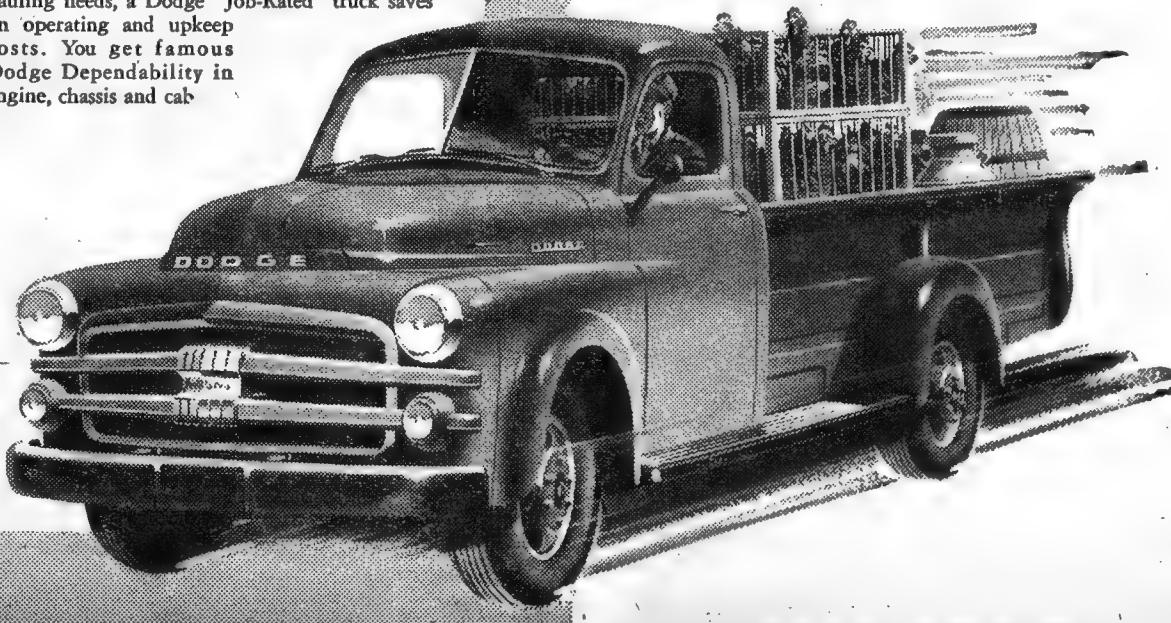
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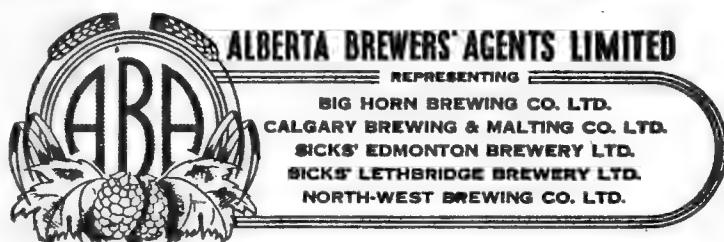
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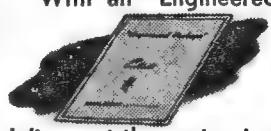
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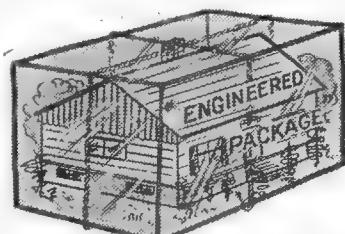
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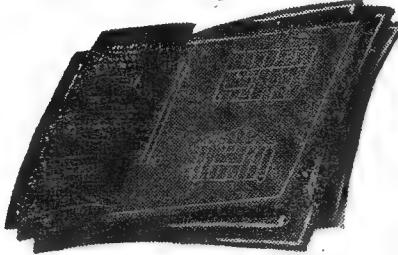
STEP 4—BUILDING

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One night while I was milking the cows I saw a very funny thing happen. Our two cats drank a little bit of milk and the other one came along and chased it away. The dog, standing near by, just walked over and pulled him away and drank all the milk himself.

Miss Joyce Turner.

Clashmoor, Sask.

★ ★

My sister and I sat watching our two dogs. All at once the dogs started to chase a mouse. It ran under a wood pile which discouraged them. Then our big dog got an idea. Constantly wagging his tail, he began to carry away the wood, piece by piece, with his teeth. In the end they finally got the mouse!

Mabel Klarholm.

Box 140, Midale, Sask.

★ ★

One day as I was listening to the radio, I noticed that every time a polka was played our little gold fish would swim around, first to one side then to the other. He kept perfect time to the music. The funniest part was that he would only do this when a polka was played.

Mavis Ingram.

Kevisville, Alta.

★ ★

My grandpa had his cream down in the spring, not far from the house. He had a plate on the cream can for a lid and a big rock on top of it. I saw where a bear had lifted the rock, took the can out of the spring and drank the whole can of cream. He had wiped it out clean with his paw. I saw claw marks in the bottom of the can. After that my Dad put a bear trap there, but he never came back again.

Miss Florence Peterson.
Iron River, Alta.

★ ★

I was sitting in the window of the hotel in Wetaskiwin and there was a terrific wind storm. I saw something green blowing around; it looked like money. I ran down and caught up with a one-dollar bill in a pool of water two blocks away.

Mrs. C. A. Corbett.
Drumheller, Alta.

Solution to this month's puzzle

MANG	CHASE	CAVIL	BEARS
ABOUT	RENAL	ARENA	ORLOP
LADY	NICE	TALISMANS	OG MME
ATE	CRAM	REST	LETT'S FAN
RENT	ASIA	NILE	REE MIND
	RESERVE	SETS	DRAIN
SATINS	AERO	STATE	TUNNEL
CLANS	SCRIMP	HAULING	LEX
RIME	SILT	ELA	GROAT PEA
ANA	MOTE	ANENT	OWN ARCS
PERSEUS	AREA	RAPS	CRETE
INNS	OWED	CASA	SAGS
TUNED	OPEN	ARCA	APPOINT
UNDE	TRI	ARGOT	BRIE DUE
BIS	MEANT	EAN	GRIN TERN
AT	HOLLERS	SEALED	DENSE
SERIAL	DIED	SLAW	SESTET
INTER	PARA	PRESENT	
WONT	RIP	MART	ERIN SPAT
END	ASSET	PAIL	EGO
ESTI	ENAMELLED	PROA IN	
DEPOT	RARER	ENATE	ANILE
STIRS	SLATS	SAWED	DINES

I saw, not on a farm, but in town, a boy riding down the street on a bicycle, beside him ran a little dog. All of a sudden the dog gave out a terrific howl, apparently a wheel of the bicycle went over the dog's foot. The boy dropped the bike, called the dog to him. Sitting down, he took the dog's paw in his hand, kissing it and held it for a while and all the time caressing his pet, which was leaning his head to the boy's. When they rose to go, the boy pushed the bike up the street and the dog walked beside him as easy as you please. Seems like a little sympathy was all the dog needed.

Tena Johnson.

235 Wood St.,
New Westminster, B.C.

★ ★

It was on a day when it had been raining hard and a boy got stuck with his bicycle on his way from school, so "I Saw" him walk home and get his pony, tied it to the bicycle and hauled him back home.

Helen Hiebert.

Box 192, Altona, Man.

★ ★

We own an old horse that is now on the retired list. We also have a dog that has been with us for many years. Dobbin stayed in the pasture just back of the barn. Buster had the run of the whole farmyard. A strange but wonderful friendship developed between the dog and the horse, and throughout almost the entire day they would be in the pasture together. Last week I took the horse to another pasture nearly a mile from home. The faithful dog followed us. When I closed the gate and turned homewards, Buster remained behind. It's a week now and the dog has been with the horse almost all the time. Only towards evening does he come home for his supper. Supper over, he trots back to the pasture to be with his friend.

W. Grishook.

Two Hills, Alta.

Thanks for the Memory

In Martinsburg, W. Va., Harland and Bessie Greenfield were divorced after 35 years of marriage, 17 children.

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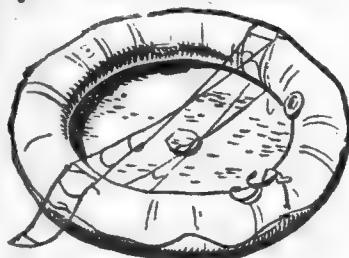
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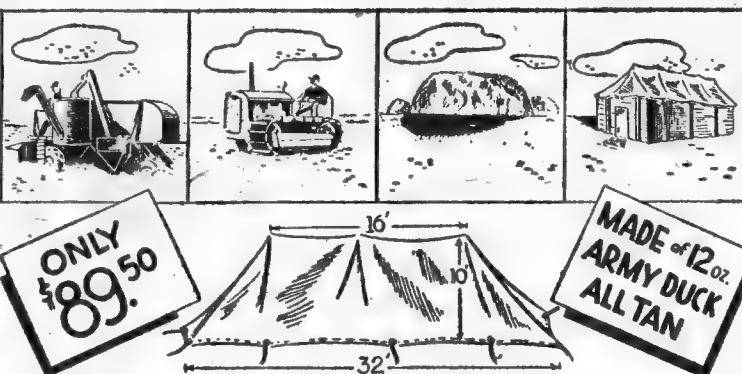
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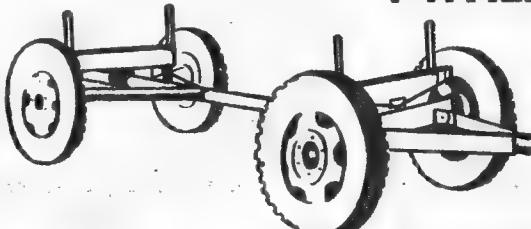
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Herefords make bigger oranges

By ELMER T. PETERSON,

In the Daily Oklahoman

A YEAR or two ago the west coast correspondent of the Wall Street Journal told of the gradual shrinkages of oranges — a mysterious phenomenon that is causing no end of worry to the California citrus growers.

Oranges are getting smaller and smaller, sometimes approximating the puny dimensions of golf balls. Meanwhile, of course, the orange growers have had to fight insect pests and other handicaps.

Since oranges are becoming more and more popular as an item of vitamin-rich diet, this concerns people everywhere.

The Champion Brothers of Redlands have an orchard of 1,000 orange trees. They, too, were worried as they saw their crops shrink to unprofitable volume.

In the midst of their worries, they happened to get hold of a book by Sir Albert Howard which told of the remarkable effects of the use of compost in the production of all types of vegetable life, so they started on a new tack.

One of their first steps, strange as it may seem, was to buy a herd of Hereford cattle. When you read what follows, you may say, "Now I've heard everything."

In the Mississippi valley, when a man acquires a herd of Herefords, it is taken for granted that he is chiefly interested in the production of beef. The by-product which litters the barnyard and pasture is often ignored completely. Not so with the Champion Brothers. Their sole objective was to acquire that by-product, which was mixed with straw, old hay, weeds, vegetable garbage — in fact almost anything in the way of refuse except bottles and tin

Prize Picture



Here's one way to get rid of rock. Gordon Eggleston of Semans, Sask., blows them into the air. Mrs. H. Macomber got this action picture and won \$3.

cans. The composting process takes place in large boxes, and after the process is completed, the material is spread under the trees and worked into the soil. In this process the Herefords furnished the "yeast."

There is a vast amount of scientific research back of that proposition.

In recent years it has been established beyond the shadow of doubt that the body of a vegetarian animal produces secretions and accomplishes laboratory processes which add enormously to the health and nourishment of the soil, for the production of other crops, in the "cycle of life."

In one sense this is not new. The use of manure as fertilizer is as old as history. But only in recent years has it been known that the decomposition of manure, together with other organic matter, generates the production of a whole series of micro-organisms, including moulds, spores, bacteria, etc.—likewise it generates or transmits hormones, vitamins, enzymes and other substances necessary to healthy growth of animal life. Furthermore the compost transmits various minerals and trace elements whose values have become known only in recent years. Earthworms thrive in this environment and add greatly to the fertility of soil.

So what happened to the Champion Brothers? The orange crop increased enormously, so that they now get 1,500 on trees that formerly produced only 500. The size increased, so now they get big, juicy oranges that are so well put together that they keep much longer than the ordinary fruit.

Perhaps the most marvelous thing is that they have no more pest problems.

Answers to Canadian Quiz

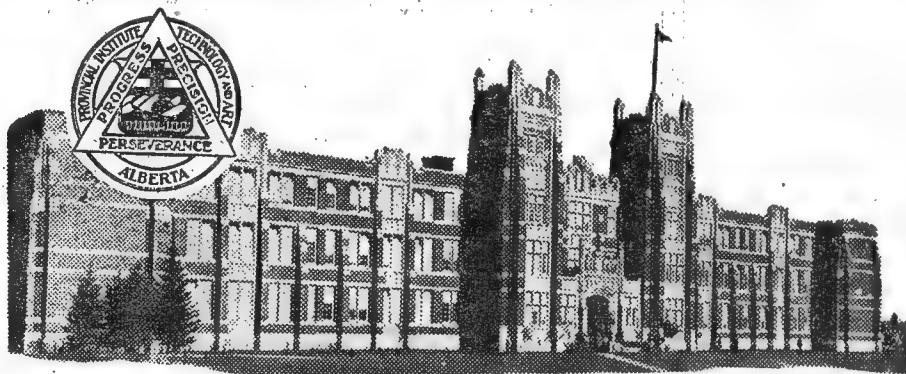
1. Grenfell.
2. Franklin.
3. Riel.
4. Captain Webb.
5. The Duke of Kent who subsequently married a German princess and became the father of Queen Victoria.
6. The Corporal.
7. Kitchener.
8. Captain Kidd.
9. Dr. Fleming.
10. Lord Byng.
11. Edward, Duke of Kent.
12. The Arctic Tern which flies about 22,000 miles annually.
13. In Victoria, B.C.
14. Andrew Bonar Law.
15. The "Ophir" with the Duke and Duchess of Cornwall (later the Prince and Princess of Wales) abroad.
16. Princess Alberta Louise wife of a former governor-general.
17. At the Alberta-British Columbia border.
18. Quebec.



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There's stacks of good feed in the weeds of the prairies

By EMIL LORENTSON, Bindloss, Alta.

I THINK Dr. Albrecht's article on the value of weeds should make front page news this time of the year.

I have bucked the driest part of the dry belt for 39 years so know what feed shortage means when one has stock. But I have followed the stock to observe their way of grazing and have noted that they eat dozens of different kinds of vegetation and thrive on them.

Well, I always figured if the old cow will eat it outside of her own free will and it fills her udder with milk she would eat it from a manger in the winter.

That way I have always piled up everything I could cut and have found some very good milk producing feeds which are classified as weed.

I always put in about 10 lbs. of salt per load and lately I have sprinkled cobalt salt all over the stack so the rain and snow would melt it all over the outside.

There are always thousands

of weedy acres combined and thrashed which barely pay expenses. Cut them green for feed and the same acres would feed the family cow and cut down the grocery bill to the value of a good crop.

Wild oats cut green are about as good as tame for green feed. Hare's-ear mustard and wild rape are the best cow feeds I have ever had if cut as soon as pods are formed. Smell like turnip and cows give lots of nice milk.

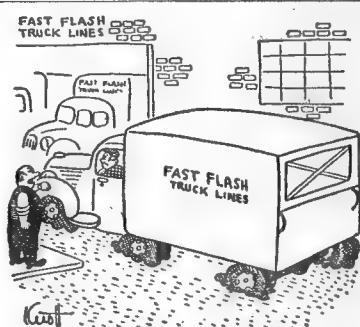
After they have gone to seed, however, they are no good as they scour an animal to death.

One of our beloved district agriculturists said he believed the cow or horse was as good a diet as the average chemist. I believe he is right. One time I had a horse that got sick, being unable to move his water. We gave him everything recommended in the veterinary book without help. SO we turned him out to die so we wouldn't have to pull him out of the barn.

He trotted away. I got on the saddle horse to see what he had on his mind. He went to the coolie and filled up on some strong bitter weeds and next morning he was ready to work.

An Indian told me after that they boiled these weeds for their horses when they have water trouble so the horse knew by instinct what was good for him.

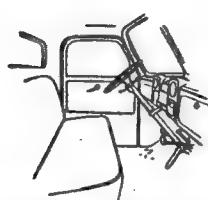
Last year we didn't get a rain till August 7. Our crop froze and every weed came along, too, till we had more weeds than anything. However I put up a stack 120 feet long with 10 lbs. salt per load and stock cleaned everything up and came through one of the worst winters just fine.



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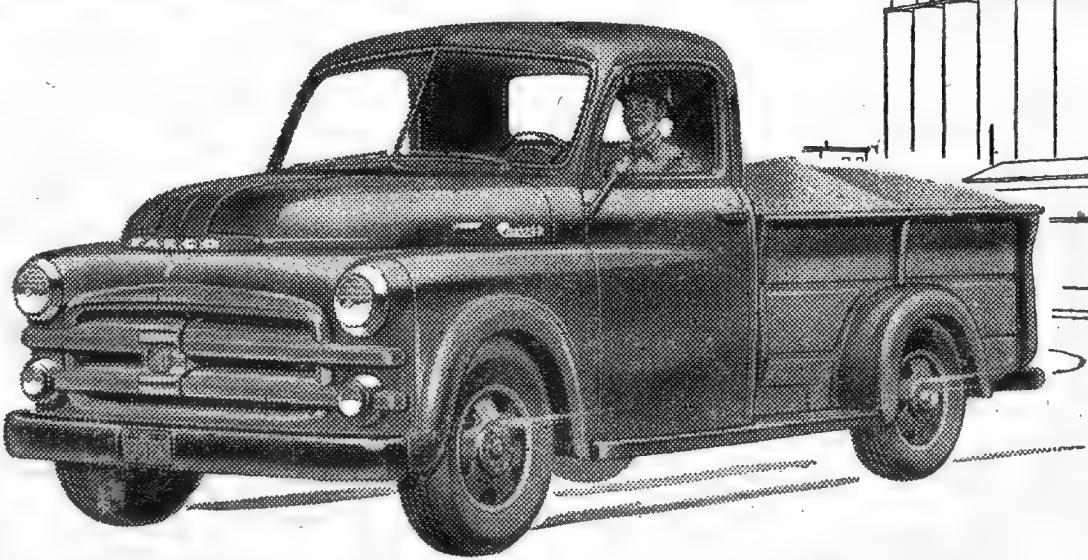


SAFETY-VISION CABS

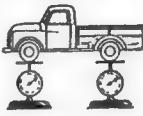
Fargo cabs have over 900 sq. ins. of windshield area and large windows which with chair-height seats assure unmatched vision all around. The extra wide cushion seats three men comfortably.

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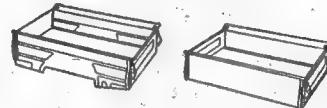


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$\frac{1}{2}$ -ton	108" WB	78" x 49" x 20"	44.16 cu. ft.
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$\frac{3}{4}$ -1 ton	116" WB	90" x 54" x 20"	56.08 cu. ft.
$\frac{3}{4}$ -1 ton	126" WB	108" x 54" x 20"	67.28 cu. ft.

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Here's what to do if your eyes need help

(From the Metropolitan Life) ACCORDING to recent estimates, one out of every five children of school age has faulty vision. Among adults over 40, two out of every three have visual defects.

During the formative years, authorities say that the eyes need careful attention. The eye grows and changes during this period and it is necessary to discover any serious abnormality early. Faulty visual habits are often formed during child-

diseases that affect the eyes of children. Most of them are mild — but some may be serious. Both may start in the same way — with redness, flow of tears, blinking, squinting, or scowling, accompanied by little or no pain. So, if these or other signs of eye trouble appear, it is wise to see a doctor.

Specialists caution against delay in the use of glasses if a child needs them. Glasses generally help the child to improve his vision, or overcome other

The Farm and Ranch had your eyes, and those of your children, in mind when it decided to use the largest body type for its reading matter to any magazine published in Canada. But even with our big type, you'll enjoy reading more if the light is good and from over your shoulder.—The Editor.

hood which may lead to defects in later years when correction may be more difficult.

Authorities also say that a child's eyes should be examined at age three or four, again before entering school and after starting to read. They recommend these examinations even though no signs of eye trouble are evident.

There are many common

eye defects — often within a relatively short time.

The adult's eyes . . .

After age 40, periodic examinations of the eyes are especially important. They provide a DOUBLE safeguard. First, by discovering defects and diseases of the eye itself. Second, by helping to detect conditions such as high blood pressure, diabetes, and hardening of the arteries which often reveal themselves by changes in the eyes.

Fortunately, more can be done today than ever before to check or cure some of the more serious eye conditions. New drugs, for example, are remarkably effective against eye infections. Improved surgical techniques have likewise helped doctors to prevent loss of vision in cases of cataract, and in conditions affecting the retina, the vital "seeing" part of the eye.

Three common eye defects — near-sightedness, farsightedness, and astigmatism — can usually be corrected by properly fitted glasses. Only an eye specialist is qualified to prescribe glasses or other special eye treatments.

Under proper medical care, most of the threats to good vision can be corrected or cured so that the eyes may be used efficiently throughout life. To help keep the eyes in good

conditions:

1. Read with a clear, good light falling from above and behind you.

2. Rest your eyes at frequent intervals when reading or doing close work.

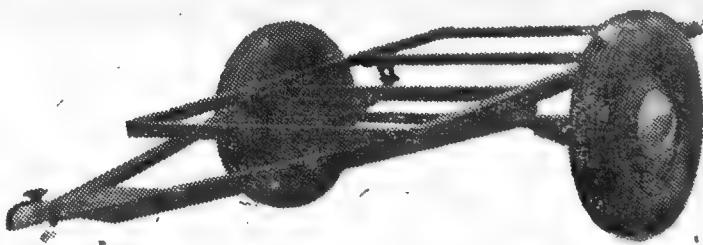
3. Except for easily removable particles, trust only to expert help for removing a foreign body from the eye.

4. Be alert to the warnings of eye trouble — headaches, eye fatigue, blurred vision, inflammation of the eyes or lids, spots before the eyes and colored halos around lights.

5. Use eye safety devices exactly according to instructions.

6. Have your eyes examined regularly by an eye specialist.

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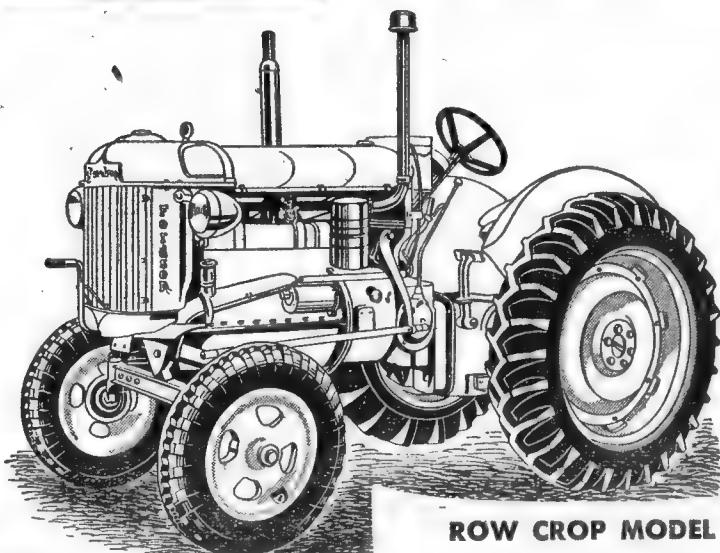
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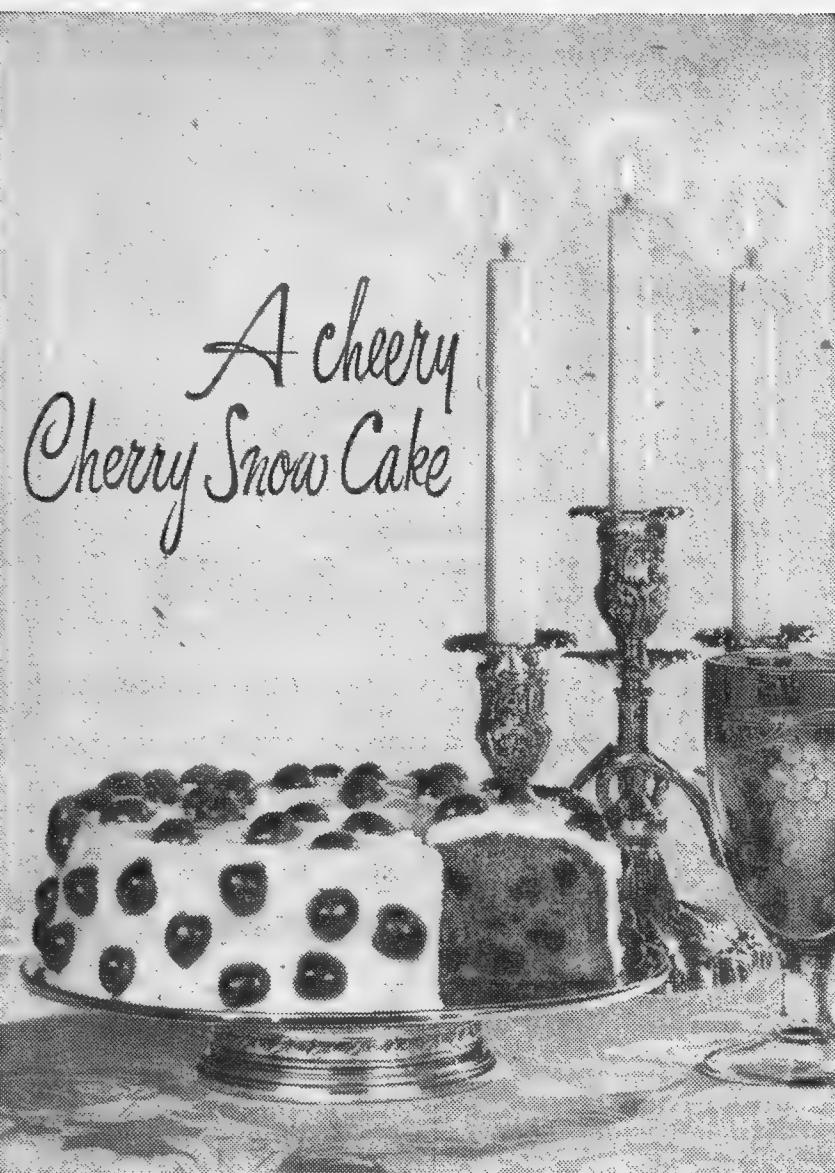
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MAGIC**

• Here's one for the party recipe book—
Magic's Cherry Snow Cake! Topped with satiny frosting, studded with plump cherries—bursting with juicy raisins, spicy citron—it's a vision of delight—and m-m, so delicious!

"Delicious" is the word for all Magic-baked cakes. 3 generations of Canadian homemakers have found that Magic in the batter means a cake that's better—more delectable, finer-textured. Get Magic today—use it for everything you bake.

CHERRY SNOW CAKE

½ cup shortening
1 cup sugar
2 eggs
2 cups sifted flour
2 teaspoons Magic
Baking Powder

¼ teaspoon	⅓ cup seedless
Baking Soda	raisins
¾ teaspoon salt	⅔ cup chopped
½ teaspoon cloves	pitted dates
1 teaspoon cinnamon	Snow Frosting
1 cup strained thick	Maraschino cherries
applesauce	Citron

Cream together shortening and sugar; Add eggs; beat well. Sift dry ingredients together; Add alternately with applesauce to creamed mixture. Add raisins and dates. Bake in 9" greased tube pan in 350°F. oven, 1 hour; Let stand until cold. Remove cake from pan; Spread frosting on top and side of cake; Decorate with cherries and citron.

SNOW FROSTING: Cream 2 tablespoons butter. Sift 2½ cups confectioner's sugar; gradually add, creaming constantly. Add about 3 tablespoons milk to make mixture right consistency for spreading. Add a few grains of salt and ¾ teaspoon vanilla extract;



Take time for stories!



By LOUISE PRICE BELL

REMEMBER how you looked forward to the story hour, when you were a youngster? There is nothing that can quite take the place of this pleasant time with Mother, particularly when children are too young to read. Through story hours, parents can easily train their smallsters' literary tastes in the right direction and when pictures are a part of the books that are read, the juvenile tastes in art will also be guided correctly. Children who hear "Peter Pan" and "Alice in Won-

derland" from the time they can remember, see the illustrations that help them to enjoy the stories, will never forget the delightful tales — as they will remember any that Mother selects and reads to them. Take time out for even a short story when waiting for Daddy to come for supper. Enjoy the stories with your children. Besides giving the youngsters pleasure and knowledge, you also build up a feeling of comradeship with them.

Give children responsibilities!

LITTLE BOBBY will feel very proud if he is allowed to get the mail for Mother, and bring it into the house. Let him put your letters in the mail-box for the postman to take, too, if you want to build up a feeling of responsibility in the child. Even small tasks take on quite an importance to smallsters and it is through these that they learn and are gradually able to take on more important ones. Often little children can learn to recognize the names of the family-members by getting the mail, and this increases their interest in writing, so that when they start taking it in school they have an already lively enthusiasm for it. Children who are given responsibilities when young develop into adults who can and will shoulder their duties in a thoroughly efficient manner.



AUNT SAL SUGGESTS--

*Oh, how I love September,
With the mornings fresh and
cool;
The children may not love it so,
When thy all march back to
school.*

I ALMOST envy the adventure I see mirrored in the eyes of the little lad next door as he approaches school for the first time this September; but I don't envy the tug at the heart that his mother must have as she watches her youngest set forth on this adventuresome trip. And I do pity my small granddaughter, Frances, who finds it so hard to understand why her erstwhile playmate is permitted to go to school while she is not.

A good part of the home canning is done by now but questions pertaining to it are still coming to my desk. One of you wants to know how to can rhubarb jelly. She says her mother used to make it and all she can remember is that it contained red coloring. I didn't think to add any to my rhubarb jelly and I wish I had for it looks pretty insipid. If you have some rhubarb put down raw you can drain the water off it and make up a little jelly any time.

Rhubarb Jelly

2½ cups rhubarb juice, 3½ cups granulated sugar, 1 box powdered pectin. This makes only 6 jelly jars full.

Place the juice over high heat, add pectin and stir until mixture comes to hard boil. Stir in sugar at once. Bring to full rolling boil and boil hard for one minute, stirring constantly. Remove from heat and skim. Can immediately.

There are many ways we can use canned fruit (even such common-place ones as rhubarb) besides as "sauce" for supper. I'm sure most of you have made apple sauce cake. Well next time try substituting cooked rhubarb in place of apple sauce and it makes a nice change.

I'm sure all rural home-makers who are still using old-style cook stoves fueled with

coal or wood dream of the up-to-date electric or gas ranges you are going to acquire "some sweet day". One little nagging regret tugs at the back of their minds when they wonder how they'll get along without their handy warming ovens they've used for so long. In one farm home recently that now sports a gleaming propane range, the farm wife really "had her cake and ate it too" . . . for she had taken the old warming section off her old stove and had it affixed to the wall and so she could still use it for a closet for the frying pans just as she'd always done.

The vexing question of removing the printing from flour sacks comes to the attention of so many of us. One faithful reader sent me in her pet method for this chore. She claims that the best way is to soap and soak them in cold water over night. Most of the markings will be loosened, but to chase off the rest of them place them in cold water again and let this water come to a boil and the color will all boil away.

I do wish I had the space to share all the fine neighborly hints that have come in recently. Thank you everyone. Bye bye for now, and every good wish.

Aunt Sal.

Sleeping habits

Sleeping habits have much to do with good posture and good health in children. A child needs his own bed, large enough to turn about in at night. The springs and mattresses should be flat and firm with no sag in the middle. The pillow should be small and flat for healthful sleep.

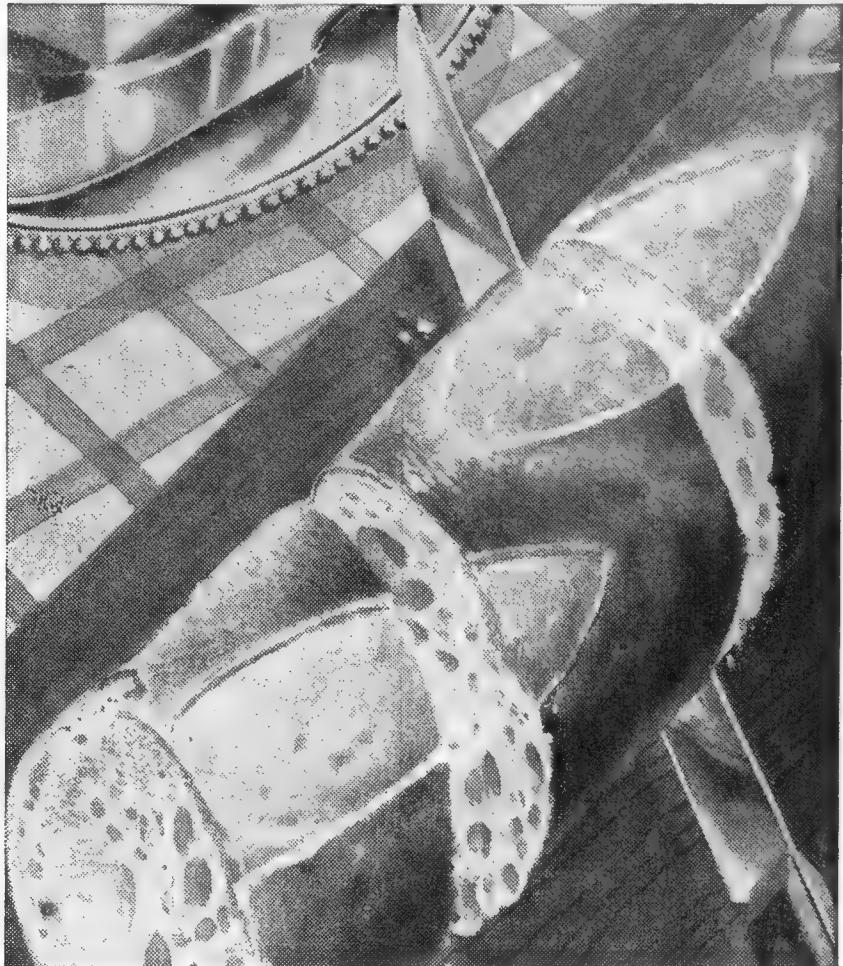
The Dishpan Philosopher

THERE really seems to be a craze for moving round a lot these days. There's always someone pulling out and getting on the round-about. It's not so very long ago that all this traipsing to and fro from place to place got under way. Folks used to settle down to stay and made their first real home their last, but seemingly that day is past. Far pastures that were always green are greener than they've ever been, and young and old are on the wing at something new to take a fling. But, as for me, I'm sitting pat real well content with where I'm at.

But, mark you, that is not to say it's wrong to think the other way. You know the saying — one man's meat is bad for someone else to eat! And—who can say?—this restless trend may be a good thing in the end.

Surprise! Treat!

REAL FRENCH BREAD



Gloriously Crusty, Wonderfully Tasty— made with fast-acting DRY Yeast!

Once you've nibbled the crust of this super-crispy French Bread you'll never be able to stop! Men will go on a bread diet for days with it! It's fascinatingly simple to make with this recipe—using the wonderful new Fleischmann's Fast Rising Dry Yeast!

If you bake at home—forget your former worries with perishable yeast! Fleischmann's Fast Rising Dry Yeast keeps full-strength and fast-acting for months without refrigeration! Keep it in the cupboard—get a dozen packages to-day.

FRENCH BREAD

(makes 3 loaves)

Scald

- ½ cup milk
- ¾ cup water
- 1 tablespoon granulated sugar
- 2 teaspoons salt
- 2 tablespoons shortening

Remove from heat and cool to lukewarm. Meanwhile, measure into a large bowl

- ½ cup lukewarm water
- 1 teaspoon granulated sugar

and stir until sugar is dissolved. Sprinkle with contents of

- 1 envelope Fleischmann's Fast Rising Dry Yeast

Let stand 10 minutes, THEN stir well; stir in lukewarm milk mixture. Measure into a large mixing bowl

- 4½ cups once-sifted bread flour

Make a well in the centre and add liquids all at once. Mix thoroughly, then knead slightly in the bowl. Cover with a damp cloth and set in a warm place, free from draught; let rise until doubled in bulk. Punch down dough, cover with damp cloth and again let rise until doubled in bulk. Turn out on lightly-floured board and divide into 3 equal portions. Knead each piece lightly and shape into a slim loaf



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Let's Ask Aunt Sal . . .

*Now that the summer's over,
And the days have cooled a
lot;
Let's talk about the answers,
To the questions you have
sought.*

FROM time to time I've mentioned the fact that I wish that you would affix your real names and addresses to the letters you send in to this department so I can get in touch with you should the necessity arise. One lady who signed herself "Ma Creelman" asked me for the pattern for a log cabin quilt. I have a block to send her, but I have not the real name nor address of this lady who wants the quilt pattern. Then a second lady who signed herself "Mrs. A. Pichette" neglected to give me her address so the fine letter on bread-making that won her a snapshot is still waiting for acknowledgement.

Q.: Can you give me a satisfactory method of canning apple juice for winter use?—(Mrs. E. S. W., Galiano Island, B.C.)

Canning Apple Juice

A.: Steam apples in very little water. When apples are tender put in a jelly bag and allow to drip over night. Allow juice to settle then syphon off all clear juice and leave sediment.

When using bottles heat juice to 110 degrees F. Fill bottles to within 2 inches of top. Seal. Place in water bath of same temperature and raise temperature slowly to 170 degrees F. Hold temperature 10 minutes for pints, 15 minutes for quarts and ½ hour for gallons. When using cans fill with cold juice and partly seal. Cover with cold water and slowly bring water to 170 F. Hold the same length of time as for bottles. Remove cans and complete seal.

Q.: Why do my dill pickles go flat and full of water? — (Mrs. A. P., Moosomin, Sask.)

A.: There are several reasons why this unhappy condition might take place. The cukes are possibly too large . . . also not fresh enough . . . did you soak them in ice-cold water before starting to can them? Did you use canning salt, and did you have your brine strong enough and did you use the best vinegar you could get?

Here is my recipe for dill pickles and they always turn out fine. Pack ice-cold cukes (not too large through) into sterilized jars having first placed a tiny pinch of alum in bottom of each jar. Then make this syrup: 13 cups water, 1 cup salt, 1 cup white sugar and 1 cup vinegar. When boiling hot and sugar dissolved, pour

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WONDERFUL FLAVOUR
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while still hot over cakes in jars. These may spew out over top so I let them stand on bottom of cellar for couple of weeks. Even if they do spew over they will make their own seal again. Don't use them for six weeks.

Q.: Where can I buy utensils for making Norwegian pastries such as rosettes, etc.?

A.: Mrs. O. U., of Claresholm, Alta., sent me in this address: Mrs. B. Wessberg, 303 Elgin Ave., Winnipeg, Man.

Q.: Could you give me a dressing recipe for just one fowl? — (Mrs. H. M., Ockney, Sask.)

A.: Fowl Dressing. ½ lb. dry bread crumbs, 1 onion sliced, 1 bay leaf, 1 tbsps. salt, 2 tbsps. poultry dressing, 4 tbsps. melted fat, 1 cup boiling water, minced giblets from one fowl, (optional), 2 cups chopped walnuts, (optional).

Q.: Could you give me the recipe for minestrone . . . an Italian soup? — (Mrs. R. A. W., Beaverlodge, Alta.)

A.: Minestrone. ¼ lb. bacon chopped, ¼ lb. ham chopped, ¼ lb. Italian sausage chopped, 2 onions chopped, 2 tomatoes chopped, ½ cup rice, ½ cup dried beans (that have been soaked 3 hrs.), ¼ cup diced celery, 6 cups meat stock, ¼ head cabbage shredded, 1 cup mixed green vegetables, 1½ tsp. salt, ½ tsp. pepper, grated Parmesan cheese. All ingredients except cheese are simmered slowly, skimming off fat frequently. Sprinkle grated cheese on top a short time before serving.

Q.: Is it possible to can fruit with honey instead of sugar? — (Mrs. S. P. D., Elkton, Alta.)

A.: My best canning guides agree that both melted honey and corn syrup can replace part of the sugar in canning. They do not advise using more than

1/3 of sweetening in honey as it has a very tell-tale taste.

Q.: Is there any method to remove the stain made by a ball-point pen? — (C. L. B., Vauxhall, Alta.).

A.: So far denatured alcohol is the only agent recommended for this trying stain. Oxalic acid or equal portions of turpentine and ammonia are found successful for removing indelible ink stains.

Q.: Can you give me the recipe for a delicious cake named Porcupine cake? — (Mrs. R. W., Coleman, Alta.)

A.: I have the recipe for Porcupine cookies, but no cake recipe can I find that is named this. (Have any of you readers such a recipe?)

Q.: Can you give me the address of any firm that makes rugs from cotton rags? — (A. W., Waseca, Sask.)

A.: The Brandon Woollen Mills Co., Brandon, Man., makes rugs from both woollen and cotton rags. Just write them for their circular.

Q.: Could you please tell me where I could get the fibre to make ice-box flowers? — (Mrs. H. B., Monarch, Alta.)

A.: Contact any good stationery store for this.

Q.: Can you give me a good recipe for Danish pastry? — (Miss E. W., Darlingford, Man.)

A.: This one is not really a Danish pastry but it is Scandinavian and may be what you seek. 1 cup sifted flour, ½ tsp. salt, 1 tbsps. sugar, ¼ cup butter, 1 egg yolk slightly beaten. This makes one 9-inch pie shell.

Q.: What can you mix with white cement so it will not rub off when applied to a board surface? Someone told me salt, but this was not satisfactory. — (Mrs. M. M., Marysville, B.C.)

A.: Dissolve waterglass in water and apply over the cement job. When it is dry repeat this over and over until the cement will not absorb any more water glass. (Have you talked this problem over with your paint dealer?)

NOTE: — All readers are invited to send in their home-making problems to Aunt Sal, in care of the Farm and Ranch Review, Calgary, Alta. If you wish a private reply, enclose a stamped self-addressed envelope. There is no charge for this service.

* * *

Carved decorations on furniture which are difficult to dust in the usual way can be cleaned thoroughly by using a soft-bristled brush dipped occasionally in a shallow container filled with liquid furniture wax.

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are Pickles with
TANG!

CHILI SAUCE

- 25 average ripe tomatoes
- 2 green peppers
- 2 red peppers
- 8 onions
- 8 tablespoons sugar
- 4 teaspoons salt
- 1 tablespoon of ground allspice
- 1 large stick cinnamon
- 1½ teaspoons Keen's mustard
- 1 qt. vinegar

Peel and slice tomatoes. Chop peppers and onions and combine with tomatoes. Mix other ingredients and pour over vegetables. Cook until thick and seal in sterilized jars.

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ABSORBINE



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Country Diary

IT is a little while yet before autumn begins by the calendar, but its heralds are already out and can be seen by all who would see — in the sky, the air, the fields and the trees. What G.B.S., that famed writer of plays once called "the third act of the eternal play" has opened, and the prelude is playing.

September sunsets are sharper and harder; the air has a hazy quality that dims the usual clear visibility; a light white frost often settles on the ground during the night. The morning sun is obscured by fog which is burned off by noon as warmth settles on the day, and innumerable spider webs on the early morning grass are the forerunners of a perfect September day.

Leaves are browning slowly, lingering with the summer-like sunshine of late September, and these gold and russet disks fall to lie underfoot, from which as the cycle rolls, Spring will leap again enriched. In truth, each leaf that falls is marked from the moment when it flutters a goodbye, dropping, slow-turning from its twig.

I cannot agree with the old poets, (heresay though it may be) who always seem to have made the worst of autumn, to take it as a symbol of worse-to-come, or even the end of all things. In fact they educated the people of their day to take a gloomy view of summer's departure. To quote Byron: "My days are in the yellow leaf." And Macbeth says very despairingly, "My way of life has fallen into the sere and yellow leaf." But perhaps Macbeth had a right to feel despondent. In olden days the turning of the leaf probably meant a more definite turning over the page from summer to winter than it does now. Actually there was a sharper division in the climatic seasons a hundred or so years ago. Now the transition is more gradual and easy — there is the interlude of Indian summer to soften too sudden a change. Every September I think, never have I seen such serenity, such placid beauty, such deep, rich colouring of trees. These are marvellous compensations to those who feel sadness at the departure of long

days of warm sunshine, bird-song and bright flowers.

An unfortunate hail-storm spoiled our hope of a good harvest, but there will be an abundance of luxurious green-feed to nourish our cherished Jerseys, and the darlings well deserve it. So there is time to spare for the garden, to clean up the ragged stalks and leaves, dig the perennial roots and bulbs and leave the garden tidy and unfettered to absorb the fall rains and winter snow.

Always there is that getting ready for next year. A month ago the flower border was swept with the flashes of colour of summer's last blooming — glowing bronze and crimson dahlias; nasturtiums in bright yellow and orange, and chiefly and most especially the gladiolus, which stood tall and upright among the green leaf swords, lifting spearheads of flame that shone bright as torches driven by a draft.

There are farmers who plan on spending their latter years in town, but always as fall approaches I think of life as a comfortable, spacious business in surroundings securely rooted in the soil. Storms and disasters, irregular market conditions can interrupt and upset its tenor, but in spite of all, farm life is solid and permanent.

...wild about NABOB!



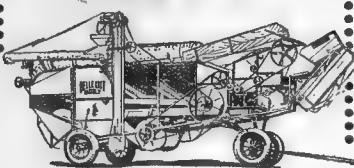
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I Rememeber—

Shortly after my arrival at Sedgewick, Alberta, in March, 1911, from Derbyshire, England, with the first group of settlers for the C.P.R., I undertook to write to the old home paper, the Derbyshire Advertiser re conditions as I found them here, also some of my own experiences in this wild and woolly west. It sure looked wild to me at that time, though the wild creatures were less afraid of man than they are now. As I started to raise chickens in the spring, I was advised to keep them near the house or lock them up at night or coyotes would get them. On several occasions they did chase the dog up to the kitchen door. I placed the coops some ten yards from the kitchen door at night and covered them with sacks.

Out in the pasture one afternoon I saw a pretty looking black and white animal strolling leisurely along with its tail erect, apparently afraid of me. About midnight I was awakened by loud squawks from the chickens. I rushed out with nothing but my shirt on, but neither coyote nor dog was around. I went back for a lantern and the gun.

Which shot first I don't know! For the next two weeks the house was no fit place to live in. You can't always go by looks! I had been very seasick on the trip across the Atlantic, but the vile smell of that "pretty animal" was far more nauseating than any sea-sickness.

In my report on local transportation, I stated that in addition to wagons, buggies, sleighs and saddle horses, Sedgewick had one little "flivver". I learned later that "flivver" was slang for the little Ford car owned by Clemens Bros. who ran the hardware store.

When I received a copy of the paper I was amused to find that Sedgewick had one—Little River.

A. H. Bowler.
Sedgewick, Alberta.

More Poultry

THE Canadian poultry council is calling on poultrymen to raise up to 15 per cent more new stock this spring than they did a year ago. That increase will be needed, the council believes, to avoid an egg shortage next fall.

Informed sources estimate that not more than 250,000 cases of eggs are likely to find their way into cold storage for consumption next fall—200,000 cases less than in 1950. This means that fresh egg marketings will have to make up that difference if Canada is to be as well supplied as it was last year. In order to produce this additional quantity, approximately 13 per cent more pullets will have to be brought into production next fall than a year ago.

MORE

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Feed from the time pullets are put in laying at from 12 - 14 lbs. per 100 birds daily (starting at lower figures) and increasing the amount as production increases.

Laying Concentrate

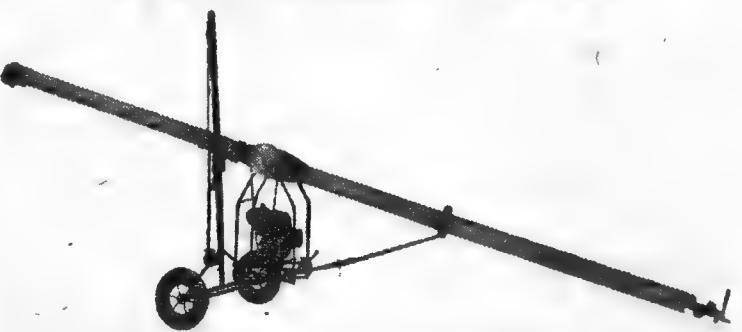
Mix 100 pounds of the concentrate with 400 pounds of your ground grain and feed as above.

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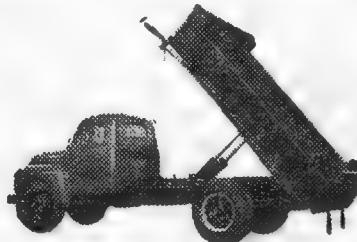


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In San Rafael, Calif., John Albright's petition was denied after he explained to the court that he wanted to become a U.S. citizen because citizens pay only \$3 for the same fishing license that costs him, a Canadian, \$25.

Birdman

In Terre Haute, Ind., one Donald Duck enlisted in the U.S. Air Force.

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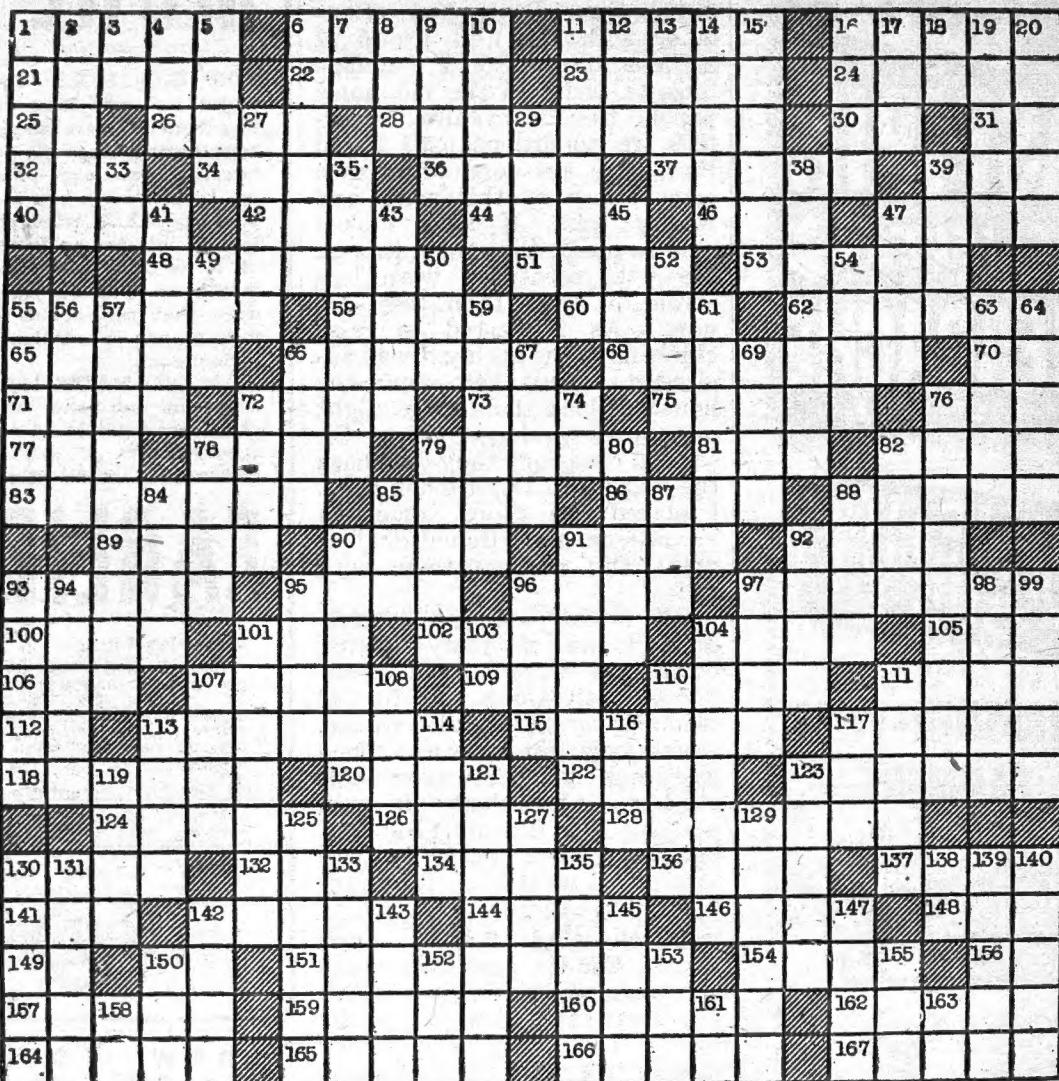
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- Can't loosen in rough ground or when plow is backed up.
- Especially ideal for hard and abrasive soils.

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FOR HOME, FARM and INDUSTRY

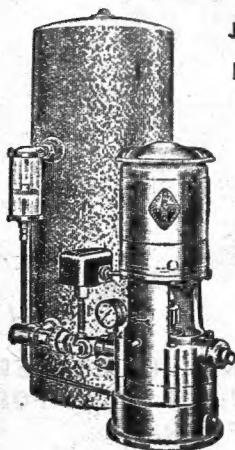
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HORIZONTAL

1 Tropical fruit	66 To curtail	110 Smile
6 Pursuit	68 Pulling	111 Seabird
11 Captious objection	70 French article	112 By
16 Tolerates	71 Frost	113 Yells
21 Nearly	72 Sediment	115 Closed tightly
22 Of kidney	73 Guido's high note	117 Thick
23 Sphere of action	75 Trifle	118 Continued story
24 Lower deck	76 Edible seed	120 Expired
25 Note of scale	77 Literary notes	122 Kind of cabbage
26 French resort	78 Speck	123 Part of sonnet
28 Charms	79 Concerning	124 To bury
30 King of Bashan	81 To possess	126 Brazilian
31 Pronoun	82 Bows	128 At hand
32 Goddess of mischief	83 Greek hero	130 Custom
34 To crowd	85 Extent	132 To tear
36 Musical pause	86 Knocks	134 Shopping place
37 Europeans	88 Mediterranean island	136 Eire
39 To stimulate	89 Taverns	137 Quarrel
40 Torn	90 Was indebted	141 Goal
42 Continent	91 Spanish room	142 Part of property
44 African river	92 Sinks	144 Bucket
46 Female ruff	93 Put in harmony	146 Speck
47 To tend to	95 Frank	148 Self
48 Modesty	96 Alms box	149 Plural suffix
51 Places	97 To equip	150 Note of scale
53 To become empty	100 Heraldry: wavy	151 Added
55 Silk fabrics	101 Prefix: three	154 South Sea canoe
58 Prefix: air	102 Jargon	156 At home
60 To cloy	104 Kind of cheese	157 Station
62 Mine level	105 Owing	159 More
65 Tribes	106 Encore	160 Growing out
	107 Intended	162 Silly
	109 To bring forth	164 Agitates
		165 Narrow boards
		166 Cut
		167 Eats

VERTICAL

1 Pertaining to cheek	50 Silk worm	107 Protective ditch
2 To moderate	52 Deer	108 Stumble
3 Negative vote	54 Relative	110 Dazzling light
4 Piece of ordinance	55 Small piece	111 Tries
5 Pertaining to ear	56 To put in row	113 Innuendo
6 Wrinkle	57 Tropical trees	114 Line of juncture
7 Pronoun	59 Presaged	116 Mountain
8 Emmet	61 52nd asteroid	117 Lair
9 German river	63 To choose	119 Skin
10 Girl's name	64 To rent	121 Cloth dealers
11 Chess pieces	66 Rests	123 Spanish title
12 Limb	67 Entreaty	125 Parts of steps
13 Kind of meat	69 Moos	127 Sea of Asia
14 Esoteric	72 Old French coins	129 Tasted
15 Endured	74 One	130 Useless plants
16 Derisive cries	76 Chief executive	131 Attack
17 Unit of work	78 To repair	133 Pertaining to punishment
18 Mulberry	79 Place of combat	135 Ornamental bricks
19 Kind of type	80 Religious pamphlet	138 Hebrew letter
20 To disburse	82 Jason's ship	
27 Obtuse	84 Dirk	139 Active
29 Egyptian goddess	85 Fear	140 Sounds
33 Type measure	87 Man's name	142 Isles
35 Wonder	88 Ness	143 Old Irish capital
38 Recurring on third day	90 Thought	91 Old women
39 European	92 To twirl	145 Siberian river
41 Threefold	93 Bass horns	147 Jumping amphibian
43 To turn away	94 To join	150 Jetting rock
45 Greenland village	95 Spoken	152 Confronted
47 Chinese dynasty	96 Oriental titles	153 Crow-like bird
49 Abstract being	97 Desiccated	155 Tropical blackbird
	98 To care for	158 Greek letter
	99 Creed	161 Symbol of tellurium
	101 Bank officials	163 Nook
	103 Musical syllable	
	104 Beer makers	

Here's one way to beat high prices

THE need to make savings when purchasing the groceries for the family dinners is more important than ever. Food is reaching the highest peaks in history and, added to that, food processors have managed to package their goods in many ways. They design their packages so that they are more attractive and saleable. In actuality, the homemaker pays for the fancy box and doesn't necessarily receive any better quality goods.

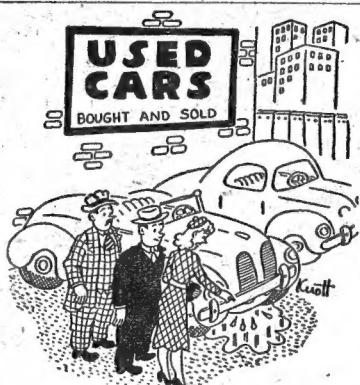
An excellent example of the cost of packaging is revealed in the price of tea. Tea is a commodity bought frequently and used daily in many homes. The same tea bought in the bulk package of one pound sells for 41 cents less than the same type of tea made up in tea bags. It is quite obvious then that Mrs. Homemaker is paying 41 cents for the fact that she does not have to dispose of messy tea leaves.

It is certain that that amount of money hardly makes it worth while.

Another manufacturer's idea is that of frozen foods. The product is reputed to have the same fresh tenderness as in the fresh state, but the cost of processing makes them a luxury rather than a necessity. For example, spinach, frozen, costs 15

cents more than for the fresh product at the present time. Frozen foods are welcome in the winter when fresh stocks are not readily available, but even so there is the danger of thawing unless the homemaker has adequate facilities. Do not misunderstand us. We readily agree that if you have a bountiful garden and there are frozen food lockers available in your vicinity, every homemaker is advised to process her vegetables in this manner.

Homemakers everywhere undoubtedly have witnessed the rise in the price of black pepper. That seasoning used so often in daily cookery is getting somewhat expensive. However, a check revealed that when bought in bulk, say half a pound



"I wouldn't even consider this one, Dear—The fluid drive is leaking."

at a time, a homemaker can make a saving of about 21 cents rather than buying the same in tins or packages each time. This amounts to 42 cents per pound of pepper. This is a product which is used frequently and is non-perishable so homemakers have nothing to lose but have something to gain.

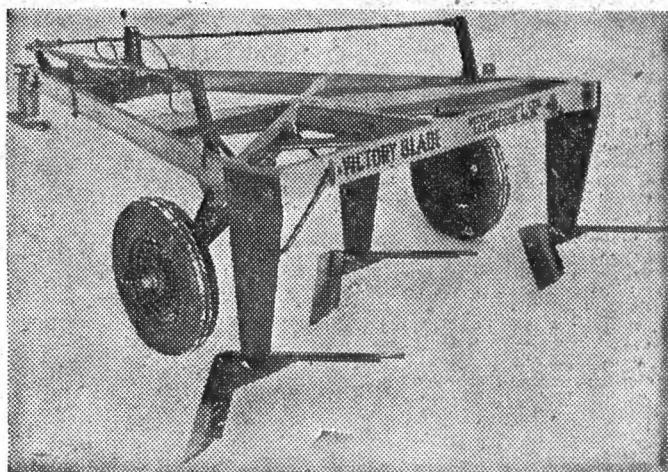
The premium offers frequently put forth by the processors also add to the price of the product being bought. These are used to attract customers, but

the quality of goods does not change and the customer pays for the premium.

Too often consumers are wont to complain that the high cost of living is the fault of the producer when it is really the high cost of processing which makes the dent in the pocket book. Bulk buying whenever possible is an aid to a reduced cost of goods for the home. Fancy or special packaging costs money. — (Manitoba Co-operative.)

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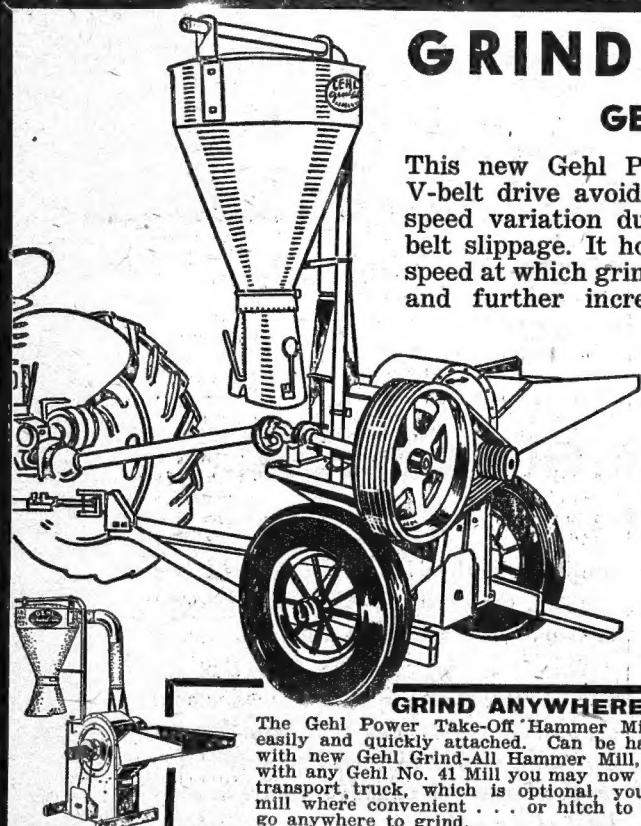
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Phone 55835

GRIND Anywhere; GRIND Faster with GEHL POWER TAKE-OFF HAMMER MILL DRIVE

This new Gehl Power Take-off and its six V-belt drive avoids the usual power loss and speed variation due to tight tractor belts or belt slippage. It holds the mill steadily to the speed at which grinding action is most effective and further increases the well-known efficiency of the Gehl Mill . . . steps up its grinding capacity as much as 50% with the same power.

WRITE today for full description of this time and labor saver.



GRIND ANYWHERE . . .

The Gehl Power Take-Off Hammer Mill Drive is easily and quickly attached. Can be had complete with new Gehl Grind-All Hammer Mill, or for use with any Gehl No. 41 Mill you may now own. With transport truck, which is optional, you can store mill where convenient . . . or hitch to tractor and go anywhere to grind.

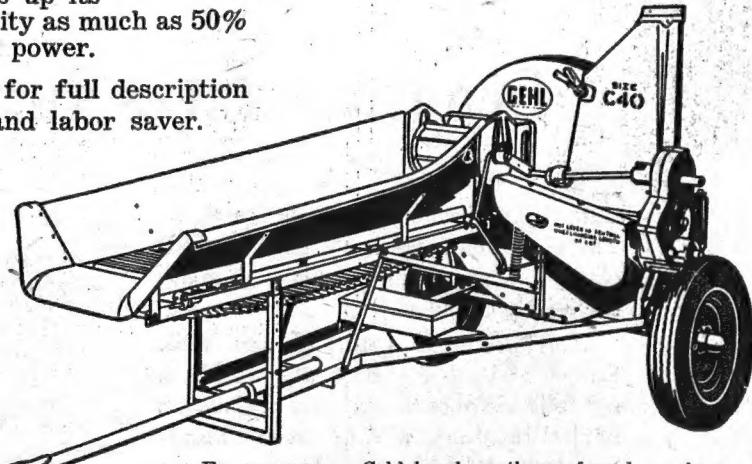
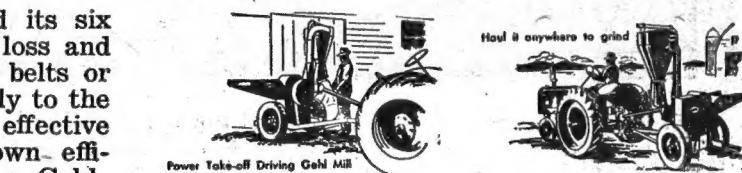
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Nature has endowed the Canada Goose with keen vision, sharp hearing, and a speed of flight often reaching sixty miles an hour. Each spring and fall, large V-formations of these graceful water-fowl are seen in migratory flight, their weird "honking" call a familiar sound on the Canadian air.



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peoples of other lands know about our country, the greater will be their interest in Canada and Canadian products.

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REXOLEUM DE LUXE is top quality . . . top in design, top in colouring, top in wear! It's top in economy too . . . not only in money but also in time. It's such a cinch to keep clean and sparkling . . . And that means the truest economy of all — a happy household where nobody is afraid of spoiling anything (even the housekeeper's temper) by tramping in even on the muddiest days. And with its high enamel surface, it wears like iron. Be sure to look over this year's sparkling new design and colour combinations.

You can select your Rexoleum-de-luxe from a wide range of patterns, including floral designs, in a variety of colourings to suit every taste — and to brighten every room in the house. Your dealer will be glad to show you Rexoleum Rugs or Rexoleum by the yard . . . Look for the Rexoleum-de-luxe seal on the face of the goods.

In Latin, **REX** means **KING** . . .
In any language, **REXOLEUM** means **KING QUALITY**

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